



# Product List

Building Blocks



# Company Profile

BirdoTech is a cutting-edge CRDMO service organization specializing in small molecule modality. Our vision is to help our clients realize maximum value, through our world-class innovation-driven drug discovery and manufacturing service platform. We collaborate with leading pharmaceutical companies and institutes, offering services such as FTE and FFS for discovery medicinal chemistry, and CDMO for the commercial manufacturing of KSMs (ISO) and registered intermediates (c-GMP). Renowned for meeting tight timelines, we support critical trials with our breakthrough scientific innovations and expediting time to market. Our laboratories are outfitted with state-of-the-art instruments to provide reliable data crucial for decision-making. To meet client demands, we employ > 330 scientists and have expanded our R&D laboratory space to 20,000 m<sup>2</sup>.

At BirdoTech, we are committed to:

Clients: Delivering reliable, high-quality products and services RFT and OTIF

Employees: Providing safe working environment and rewarding career opportunities

Suppliers: Establishing trusted partnerships for mutual success

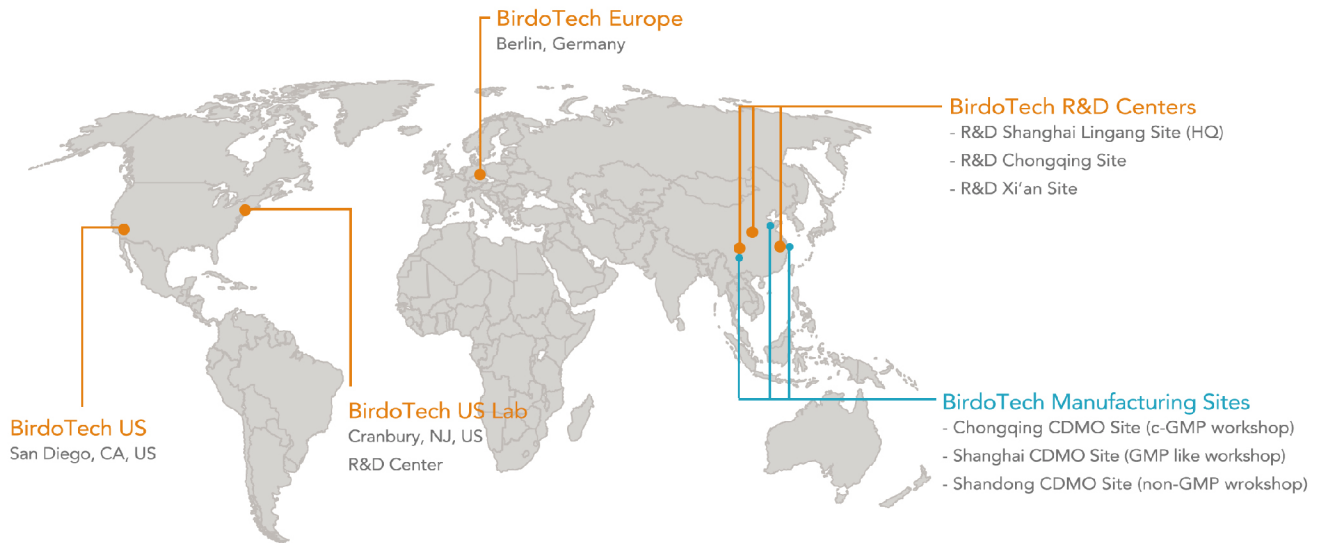
Communities: Benefiting both the community and environment







# Company Distributions



## BirdoTech R&D Centers



Lingang Site



Chongqing Site



Xi'an Site



New Jersey Site



# BirdoTech CDMO Site

## BirdoTech's wholly-owned CDMO Base (Chongqing, c-GMP Plant)

The Chongqing CDMO base expansion project consists of three multi-purpose workshops dedicated to producing APIs, registered intermediates, and c-GMP starting materials, fully comply with FDA and EMA regulatory standard of c-GMP workshops. With a manufacturing capacity > 400 m<sup>3</sup>, in which approximately 66 m<sup>3</sup> of which will first come on stream by the summer of 2024.

## Geographic Location

Located in Tongnan City, Chongqing, our CDMO base benefits from superb connectivity and infrastructure. Chongqing's strategic position in Southwest China offers easy access to regional and global markets, making it an ideal hub for our operations.

## Capability and Capacity

With a manufacturing capacity exceeding 400 m<sup>3</sup>, we will efficiently handle large-scale production requirements, approximately 100 tons per year, meeting the increasing demands of our clients. This will ensure the timely and reliable delivery of high-quality pharmaceutical products, meeting RFT (Right First Time) and OTIF (On Time In Full) standards. The production process is supported by a comprehensive and sustainable infrastructure, including a solvent tank farm, high-pressure hydrogenation unit, waste treatment facilities, utility services, multi-function pilot plants, warehouses, QC/QA labs, and regulatory documentation offices. Furthermore, we are considering capabilities for High Potent APIs and intermediates with a toxicity level of OEB 4 to 5. Moreover, Phase 2 will further expand the capacities with an incremental approximately 600 m<sup>3</sup> c-GMP capacity, with design work commencing in late 2024.

- **Phase one:** Area of the Premises: 66,700 m<sup>2</sup> Building Area: 40,000 m<sup>2</sup>  
Investment: \$80,000,000



- Multi-purpose workshops:
  - WS1 (150 m<sup>3</sup>);
  - WS2 (150 m<sup>3</sup>);
  - WS3 (110 m<sup>3</sup>);
  - WS4 (4.5 m<sup>3</sup>) Hydrogenation Bay
- Warehouses:
  - WH1: Solid RM, PM and final products
  - WH2: Liquid RM and reagents
  - WH3: Hazardous RM
  - WH4: Dangerous when wet materials
- WWTP: 1,000 ton/day
- Solvent tank farm
- Utilities
- Chemistry lab, QA, QC, Regulatory & Office building
- Waste treatment: RTO, resin adsorption

- **Phase two: 62,000 m<sup>2</sup>**  
Design will be initiated in 2024

# Business Overview

## RESEARCH

### Building Block

Catalog Reagent  
Compound Management

### CRO (Contract Research Org.)

FTE (Full Time Equivalent)  
FFS (Fee For Service)

#### DPC (Discovery Process Chemistry)

Connect small scales synthesis in medicinal chemistry lab and CMC stage  
Focus on fast, safe and green scale-up. Prioritize time and reduce costs  
Process optimization, but rapid delivery to meet demand is fundamental

#### CDMO (Contract Development & Manufacture Org.)

Process R&D  
cGMP & non-GMP API Production  
cGMP & non-GMP KSM/RSM Production  
New Materials & Function Chemicals

## LAUNCH/MARKETING

### CDMO Services

### CRO Services

#### Drug Discovery

Library synthesis  
Hit identification  
Hit-to-lead discovery  
Lead generation  
Lead optimization  
SAR development  
Synthetic route design  
Salt/co-crystal screening

#### Chemistry Services

Flow chemistry  
Solid-state research platform  
Protac technology  
Peptide synthesis  
Enzyme screening  
Impurity synthesis  
Catalyst screening platform  
Antibody drug conjugates

#### Chemistry, Manufacturing and Control

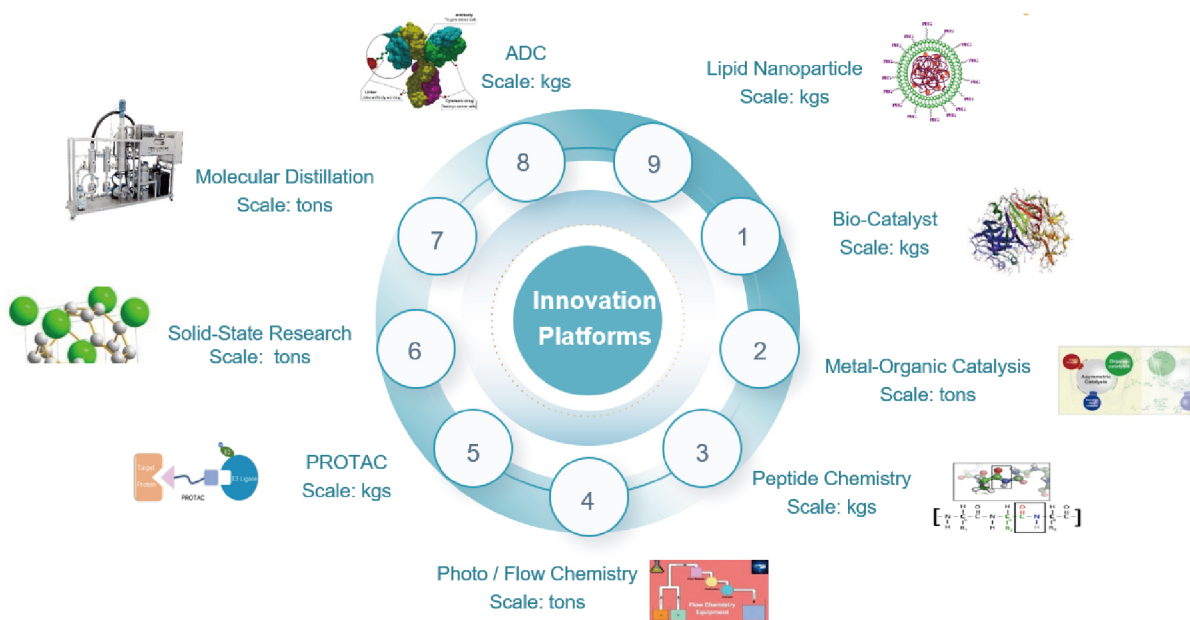
Discovery process chemistry  
Process chemistry  
API production  
Chemical properties analysis  
Method development and validation  
Stability study  
Impurities profile study  
Quality Assurance

Service Offering Focus

Scale

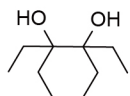
Small scale

Small-scale production (preclinical, phase I, phase II)  
Large-scale production (phase III, commercial)



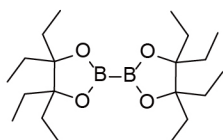


## Featured Products



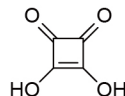
Multi-tons stock

**AC288169 / CAS: 6931-71-1**



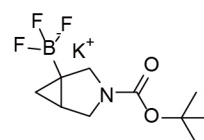
Hundred-kilos stock

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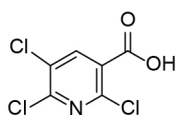
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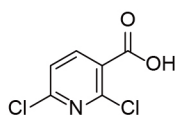
Hundred-grams stock

**AC537566 / CAS: 2095504-38-2**



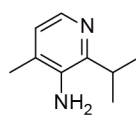
Multi-tons stock

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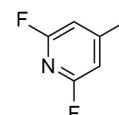
Kilo-scale stock

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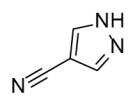
Multi-tons stock

**AC010511 / CAS: 1698293-93-4**



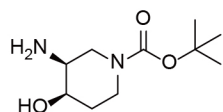
Kilo-scale stock

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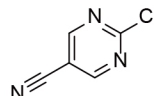
Hundred-kilos stock

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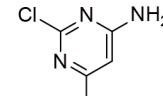
Hundred-grams stock

**AC506834 / CAS: 1820579-78-9**



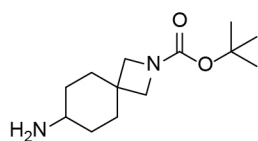
Kilo-scale stock

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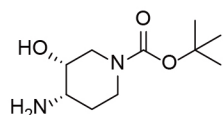
Hundred-kilos stock

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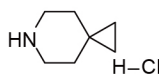
Hundred-grams stock

**AC621368 / CAS: 1408075-19-3**



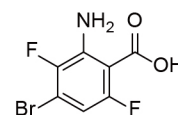
Hundred-grams stock

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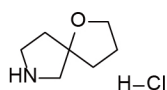
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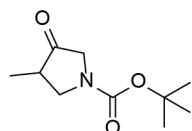
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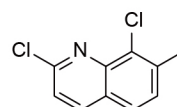
Mature synthesis process

**AC543572 / CAS: 1419590-81-0**



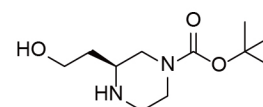
Hundred-grams stock

**AC122096 / CAS: 885102-34-1**



Hundred-grams stock

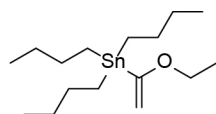
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Hundred-grams stock

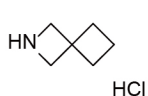
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## Featured Products



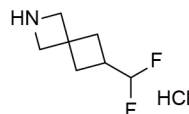
Hundred-kilos stock

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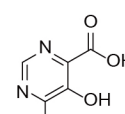
Hundred-grams stock

**AC560447 / CAS: 1420271-08-4**



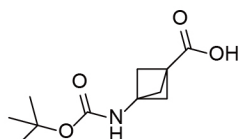
Hundred-grams stock

**AC378177 / CAS: 2411265-54-6**



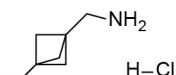
Mature synthesis process

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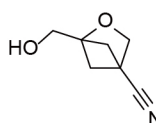
Hundred-grams stock

**AC010478 / CAS: 303752-38-7**



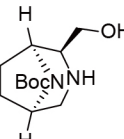
Hundred-grams stock

**AC567096 / CAS: 2108917-20-8**



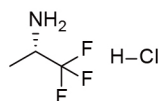
Mature synthesis process

**AC093718 / CAS: 2757731-75-0**



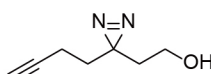
Hundred-grams stock

**AC519898 / CAS: 2820536-71-6**



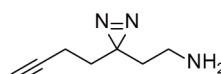
Hundred-kilos stock

**AC519129 / CAS: 125353-44-8**



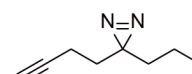
Hundred-grams stock

**AC742747 / CAS: 1450754-41-2**



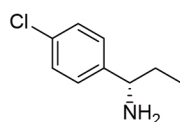
Hundred-grams stock

**AC548049 / CAS: 1450752-97-2**



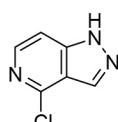
Hundred-grams stock

**AC748062 / CAS: 1226781-82-3**



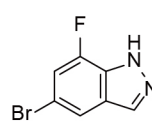
Hundred-grams stock

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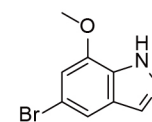
Kilo-scale stock

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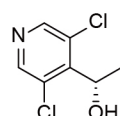
Hundred-grams stock

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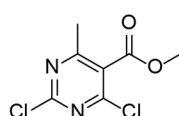
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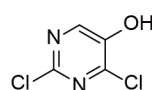
Hundred-grams stock

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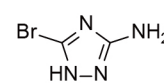
Hundred-grams stock

**AC515757 / CAS: 36745-93-4**



Hundred-grams stock

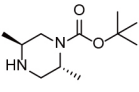
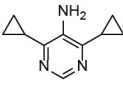
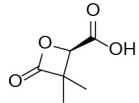
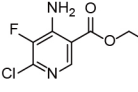
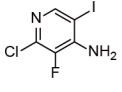
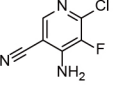
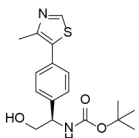
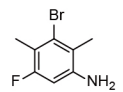
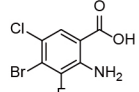
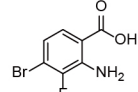
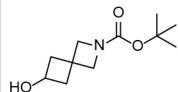

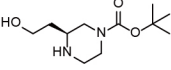
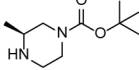
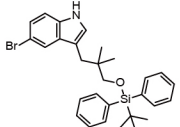
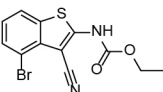
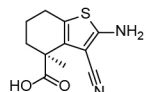
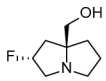
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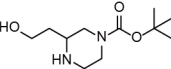
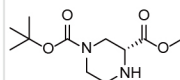
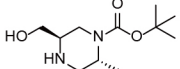
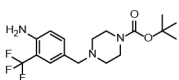
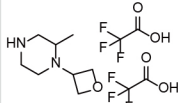
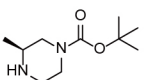
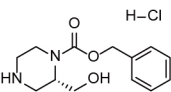
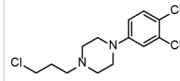
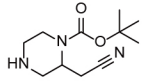
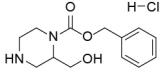

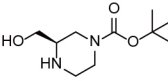
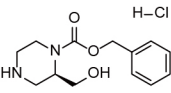
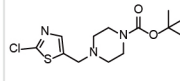
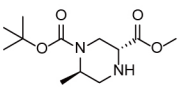
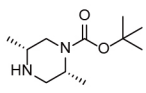
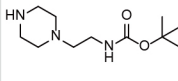
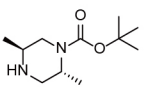
Kilo-scale stock

**AC763763 / CAS: 389122-08-1**

## Target KRas related BBs

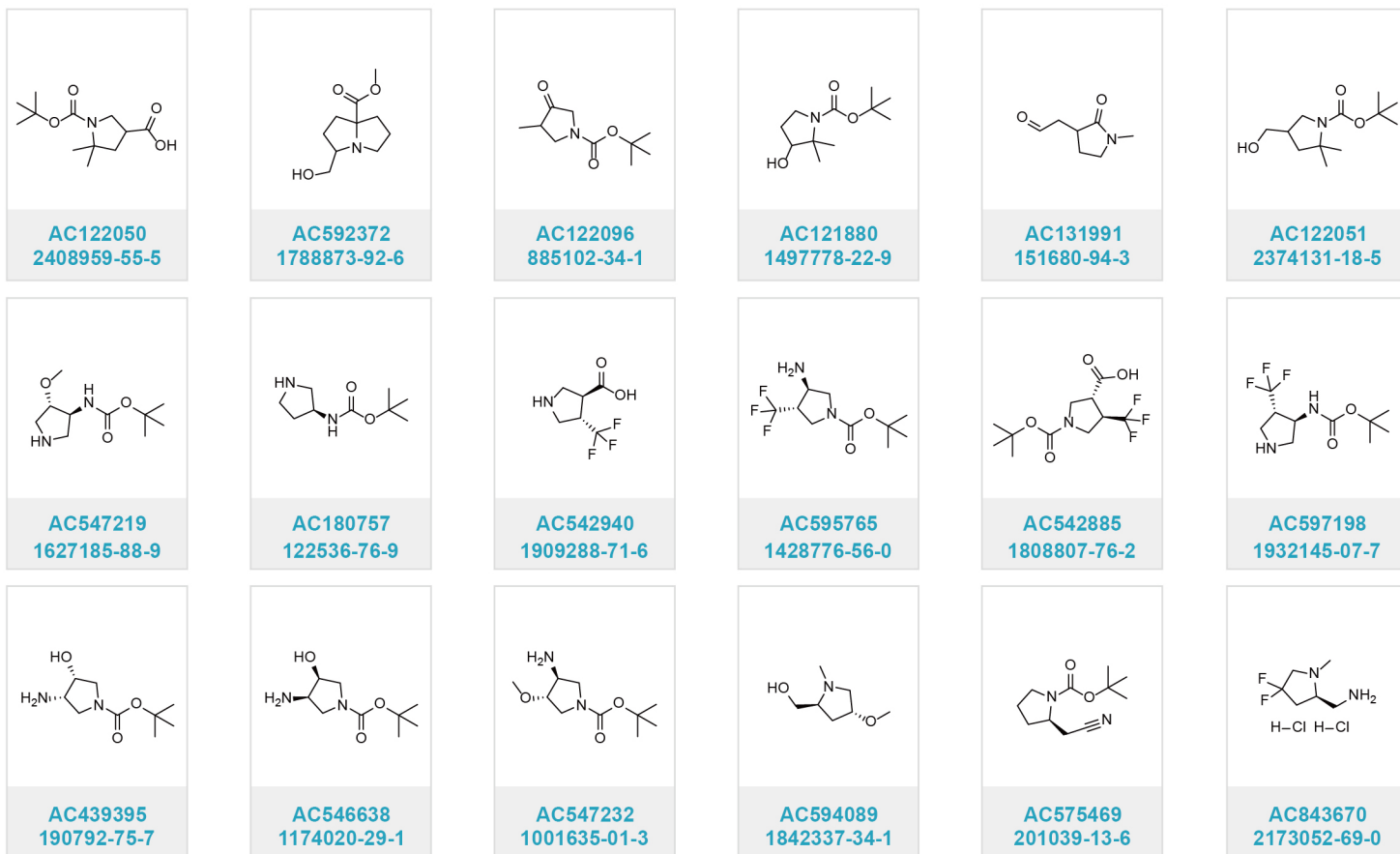
					
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<b>AC053211</b> 2156591-03-4	<b>AC202587</b> 1783727-80-9	<b>AC768356</b> 1698027-17-6	<b>AC517766</b> 1416013-62-1	<b>AC050244</b> 1147557-97-8	<b>AC220318</b> 174-78-7
					
<b>AC539952</b> 1273577-11-9	<b>AC500209</b> 147081-29-6	<b>AC504748</b> 2641451-59-2	<b>AC967087</b> 2649788-74-7	<b>AC873941</b> 2749963-99-1	<b>AC504137</b> 2097518-76-6

## Piperazine

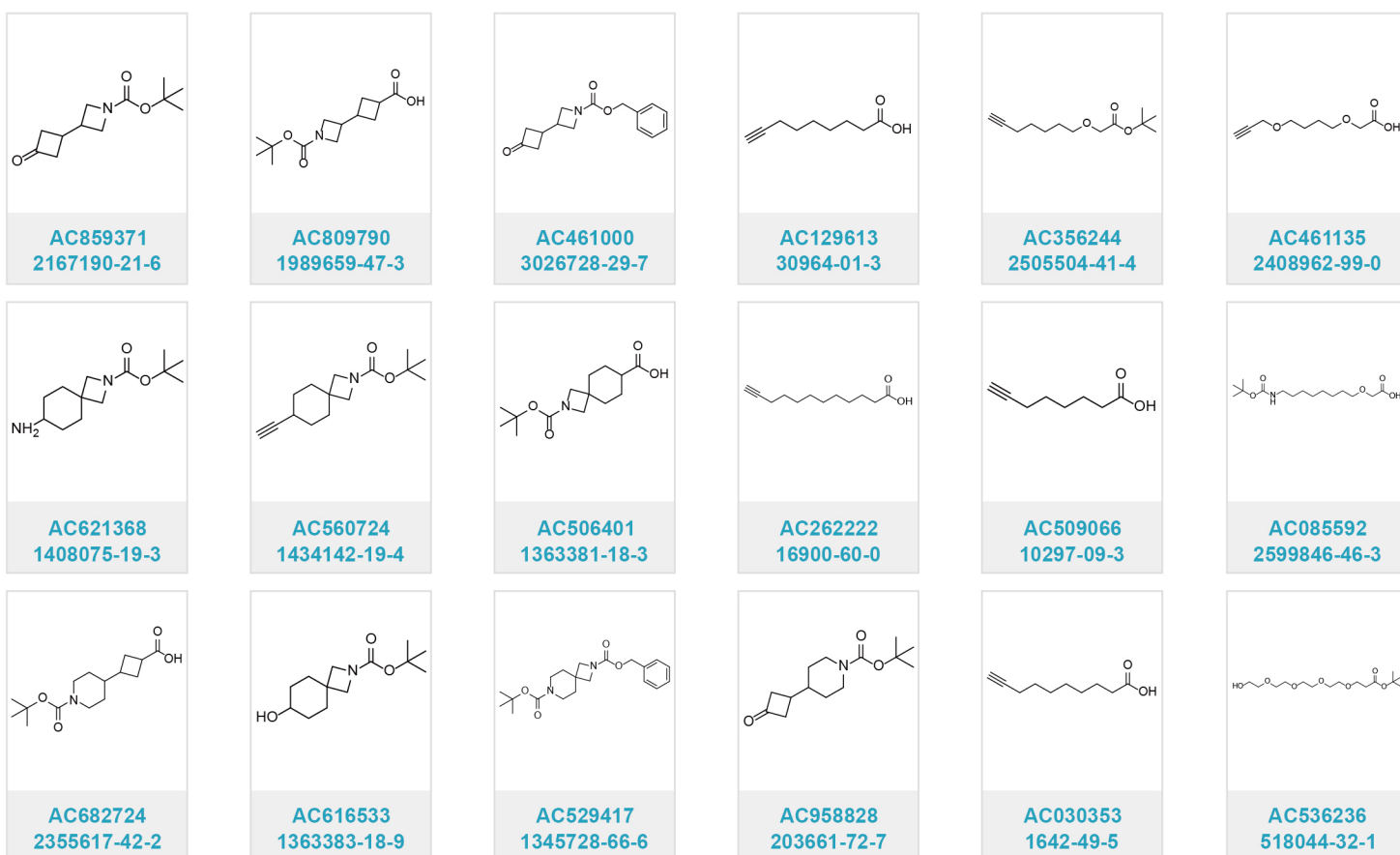
					
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<b>AC480789</b> 1217704-83-0	<b>AC888667</b> 101364-27-6	<b>AC506822</b> 1808997-73-0	<b>AC796532</b> 1203013-92-6	<b>AC020921</b> 4526-77-6	<b>AC170122</b> 278788-66-2
					
<b>AC447637</b> 1217775-18-2	<b>AC012645</b> 939986-53-5	<b>AC503125</b> 2349395-78-2	<b>AC624618</b> 1240586-48-4	<b>AC181491</b> 140447-78-5	<b>AC510578</b> 309915-46-6



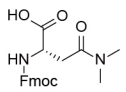
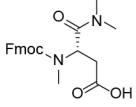
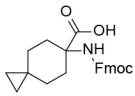
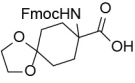
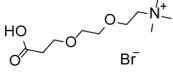
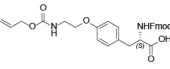
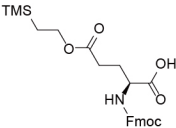
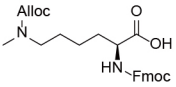
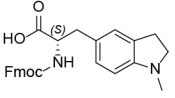
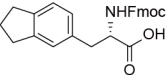
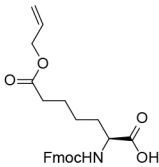
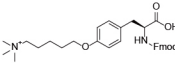
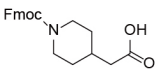
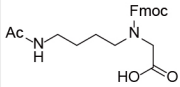
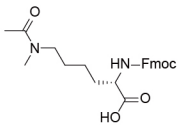
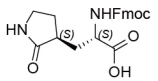
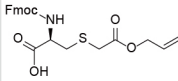
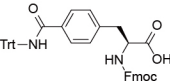
## Pyrrolidine




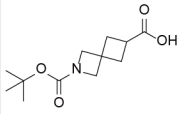
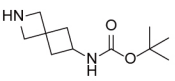
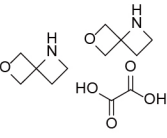
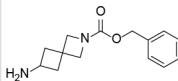
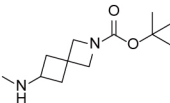
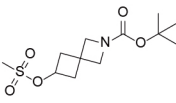
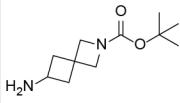
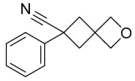
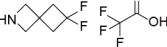
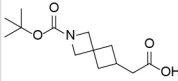
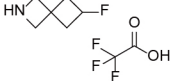
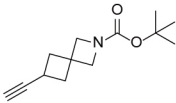
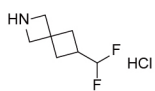
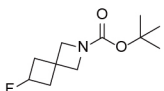
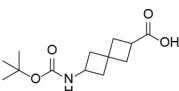
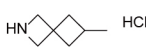
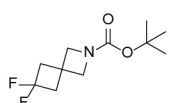
## Protac linker backup



## Advanced unnatural amino acids

					
<b>AC684377</b> 138585-02-1	<b>AC351477</b> 2430019-25-1	<b>AC079711</b> 1997996-67-4	<b>AC835206</b> 369403-24-7	<b>AC292942</b> 2407464-51-9	<b>AC059562</b> 2973753-69-2
					
<b>AC154355</b> 161961-03-1	<b>AC477866</b> 2246708-86-9	<b>AC105671</b> 1997398-32-9	<b>AC064905</b> 2173637-94-8	<b>AC009134</b> 2413233-46-0	<b>AC009662</b> 2892132-83-9
					
<b>AC709736</b> 180181-05-9	<b>AC087262</b> 2973753-60-3	<b>AC042223</b> 2892132-99-7	<b>AC002895</b> 2869870-70-0	<b>AC105229</b> 1355508-83-6	<b>AC006066</b> 1372560-48-9

## Bioisosteres of piperidine (Spiro[3.3])

					
<b>AC560447</b> 1420271-08-4	<b>AC050277</b> 1211526-53-2	<b>AC010804</b> 1118786-85-8	<b>AC737248</b> 1380571-72-1	<b>AC010803</b> 1211533-81-1	<b>AC756864</b> 1824024-00-1
					
<b>AC010802</b> 1239320-11-6	<b>AC010578</b> 1211586-09-2	<b>AC224511</b> 1414513-75-9	<b>AC545191</b> 1427367-47-2	<b>AC543851</b> 1251002-39-7	<b>AC573269</b> 2227205-88-9
					
<b>AC375237</b> 1809337-33-4	<b>AC378177</b> 2411265-54-6	<b>AC010806</b> 2059985-97-4	<b>AC616041</b> 1087798-38-6	<b>AC545352</b> 2089649-42-1	<b>AC010805</b> 1264635-66-6

## Bioisosteres of benzene (Bridged[1.1.1]) part 1

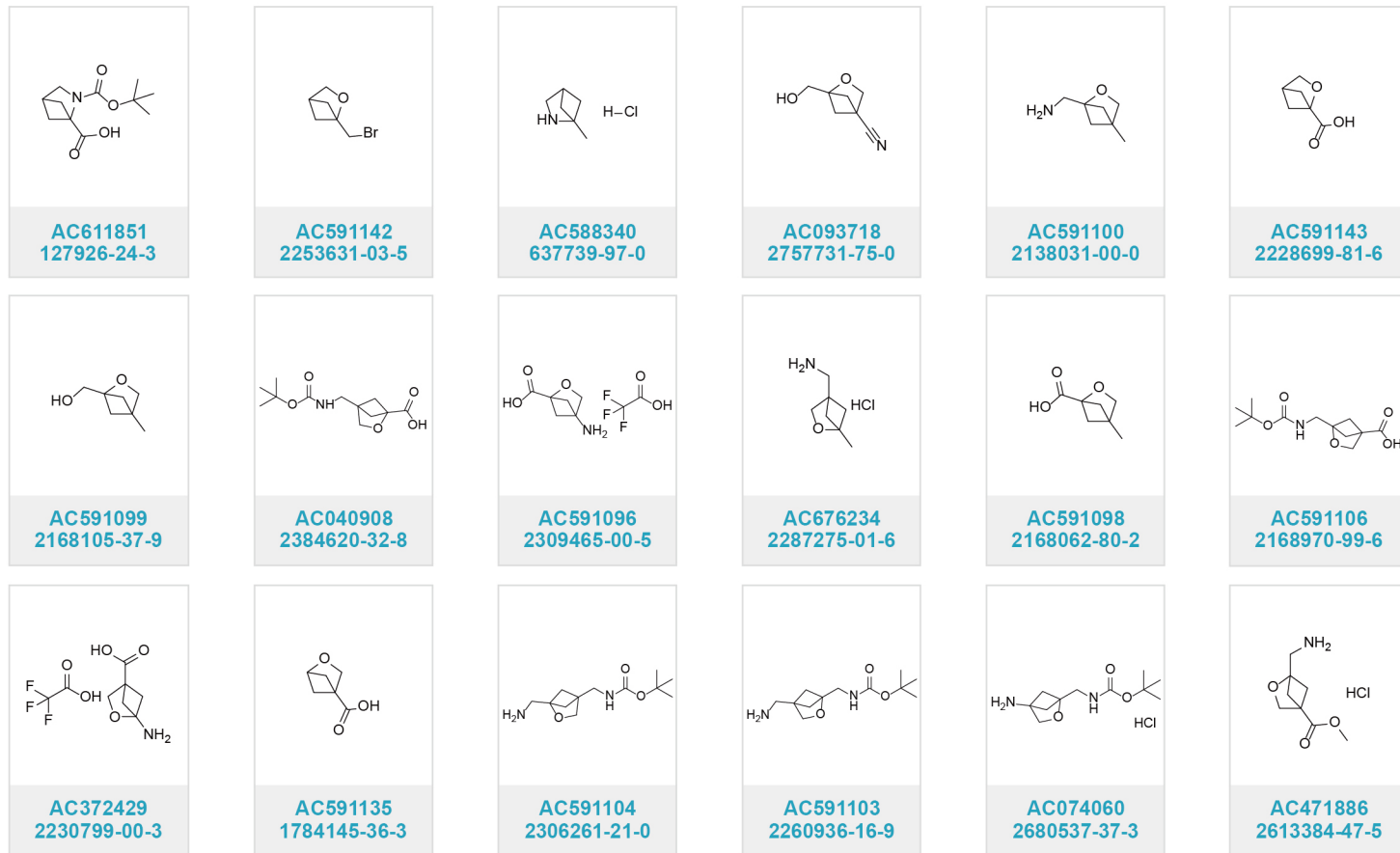


## Bioisosteres of benzene (Bridged[1.1.1]) part 2

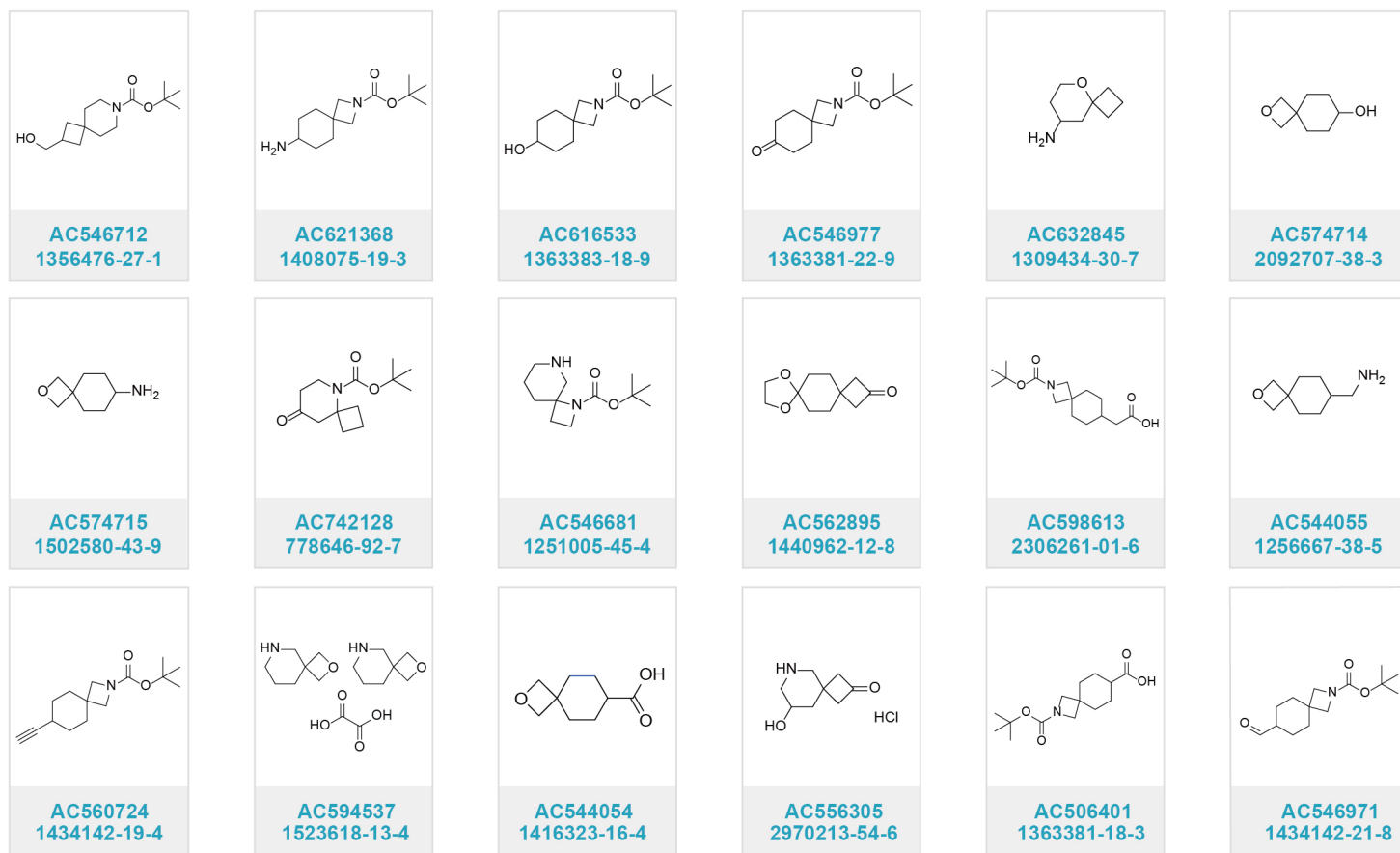




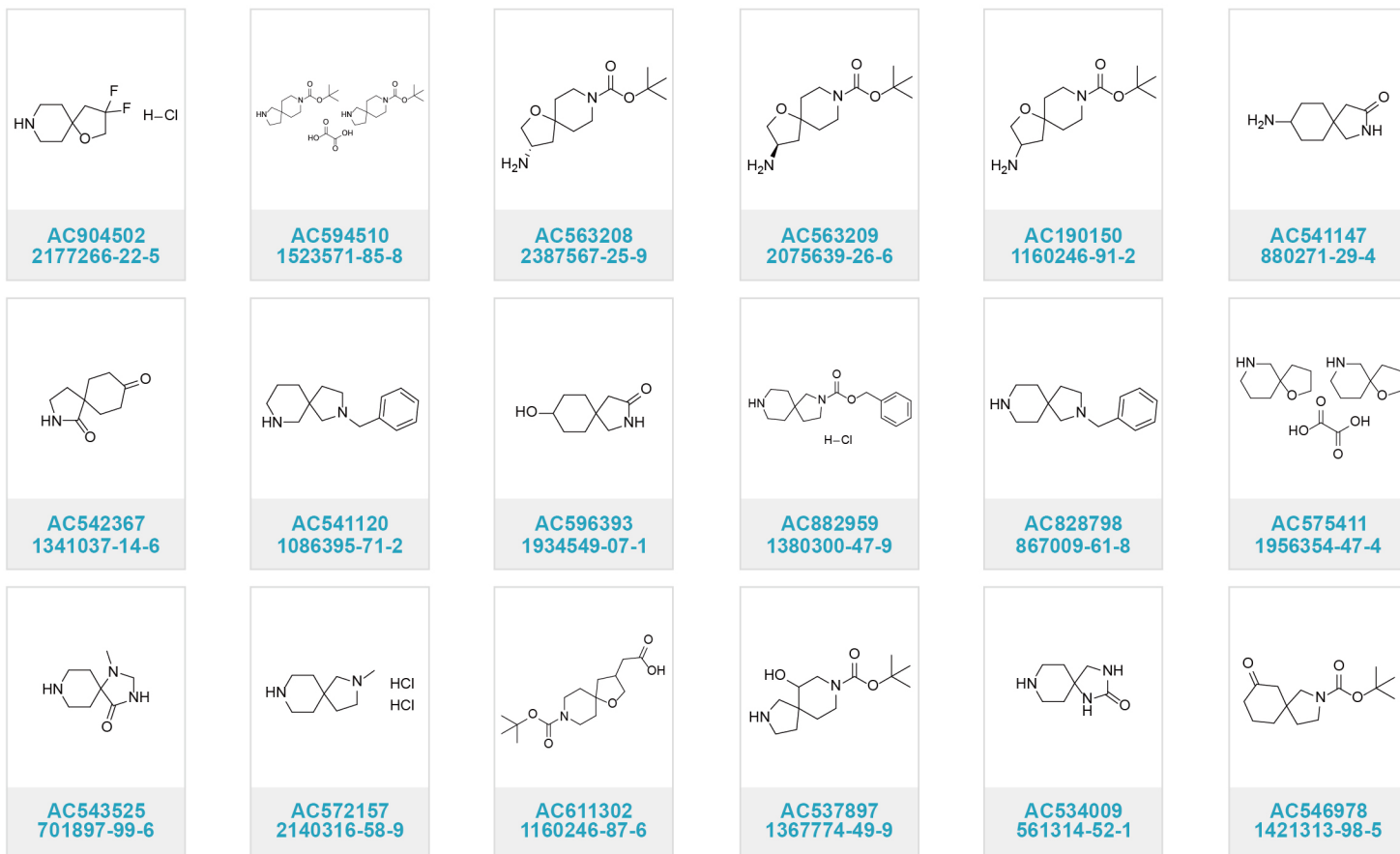
## Bioisosteres of benzene (Bridged[2.1.1]) part 3



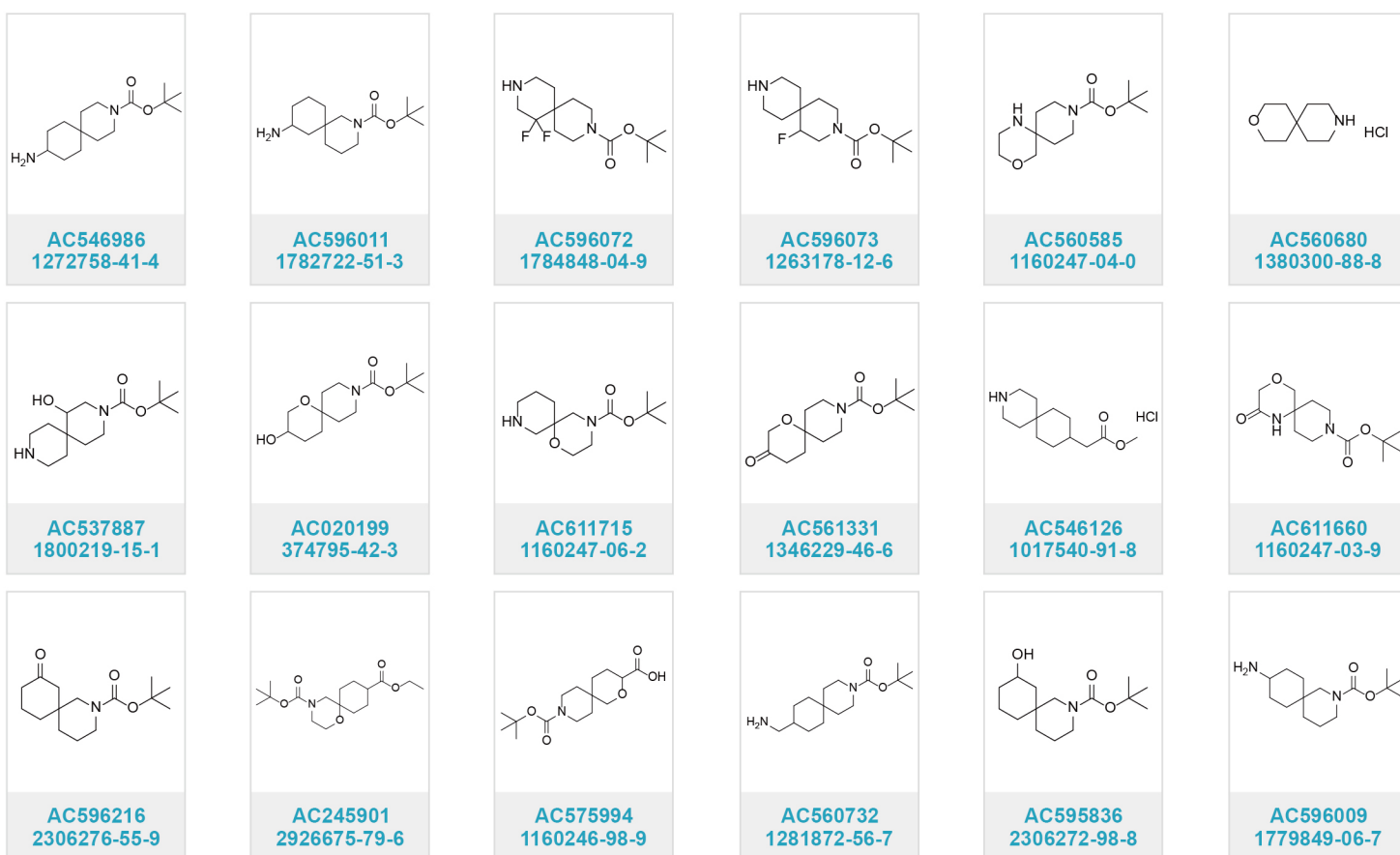
## Spiro[5.3]



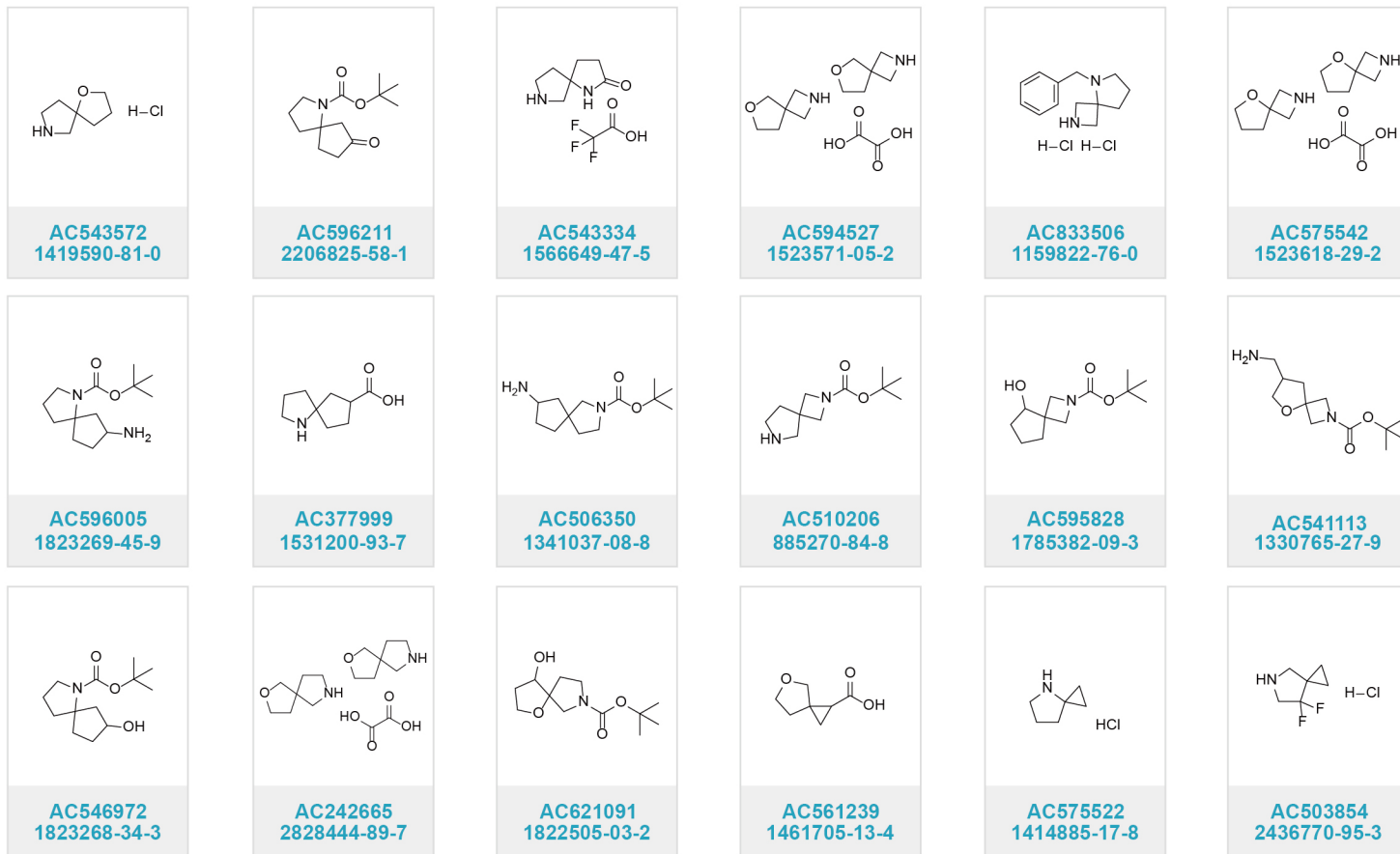
## Spiro[5.4]



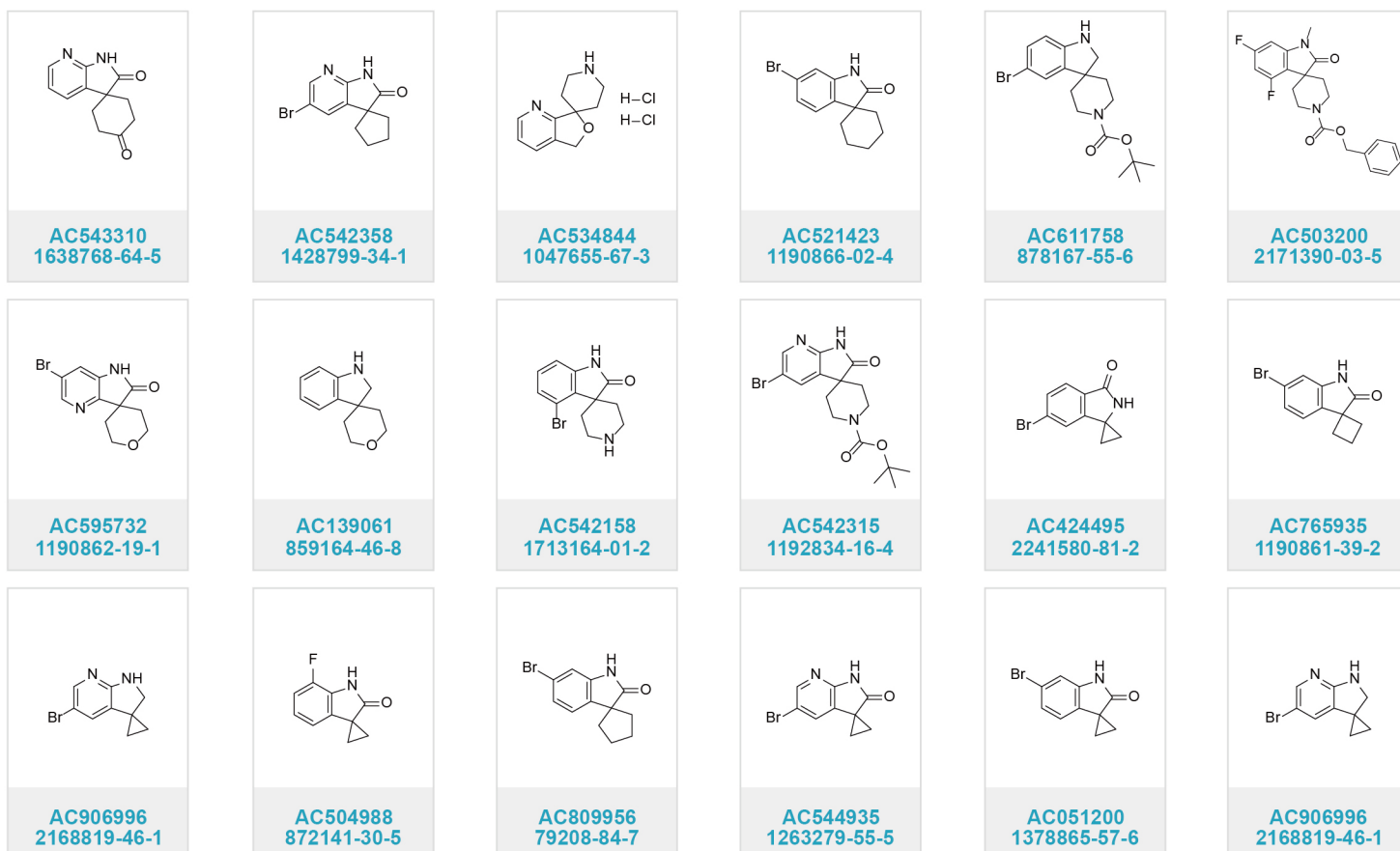
## Spiro[5.5]



## Spiro[x.4]

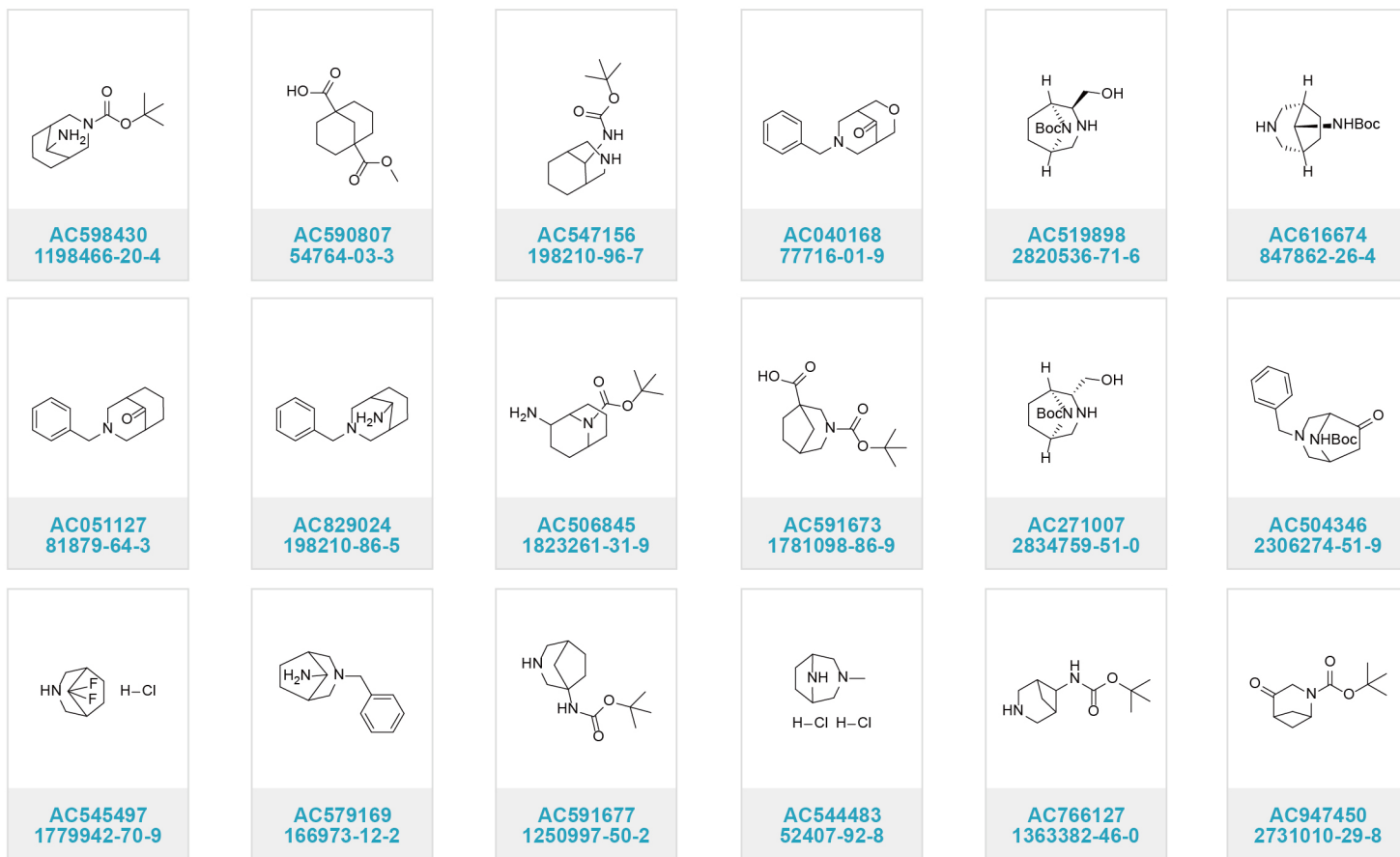


## spiro[b]Ar

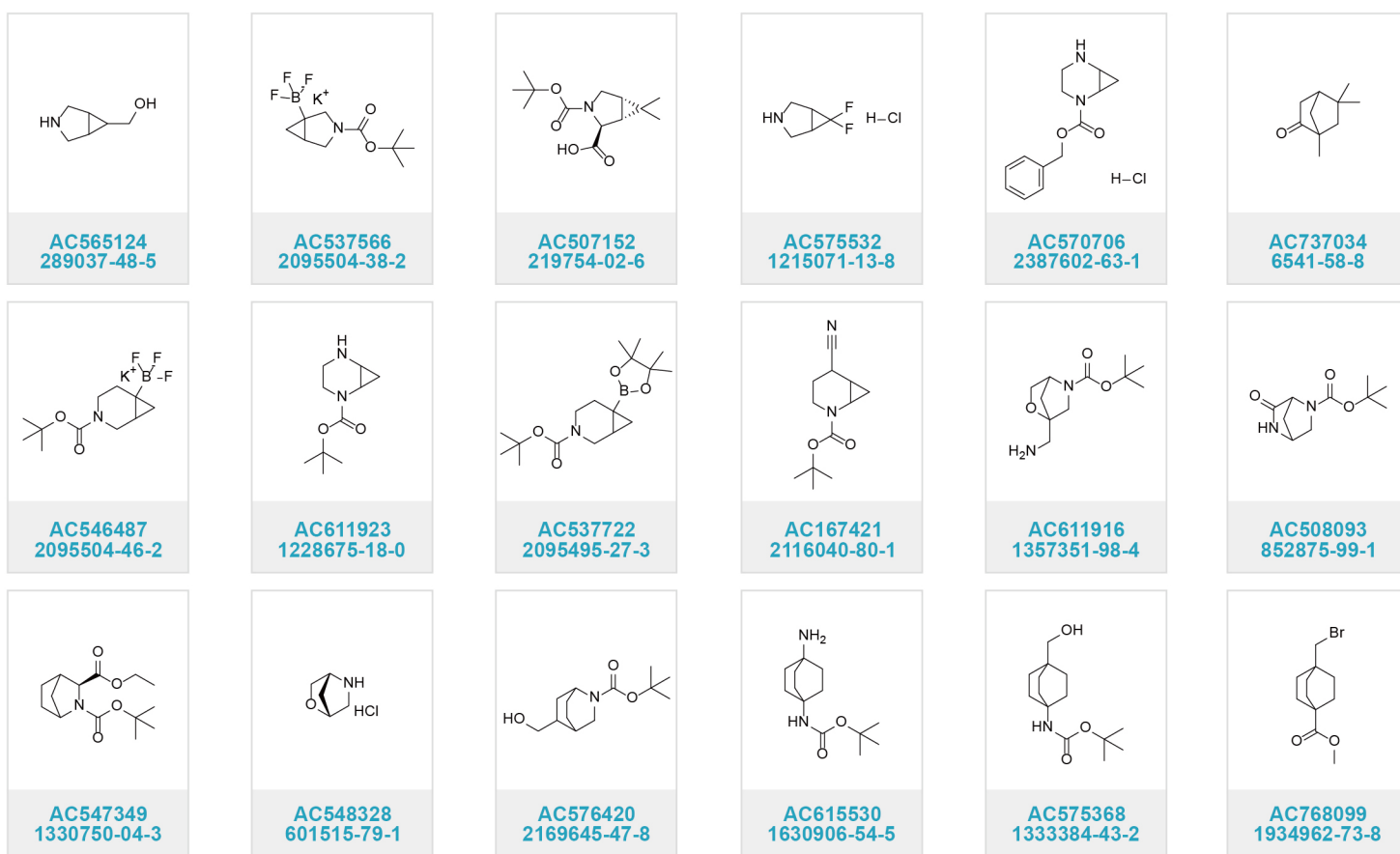




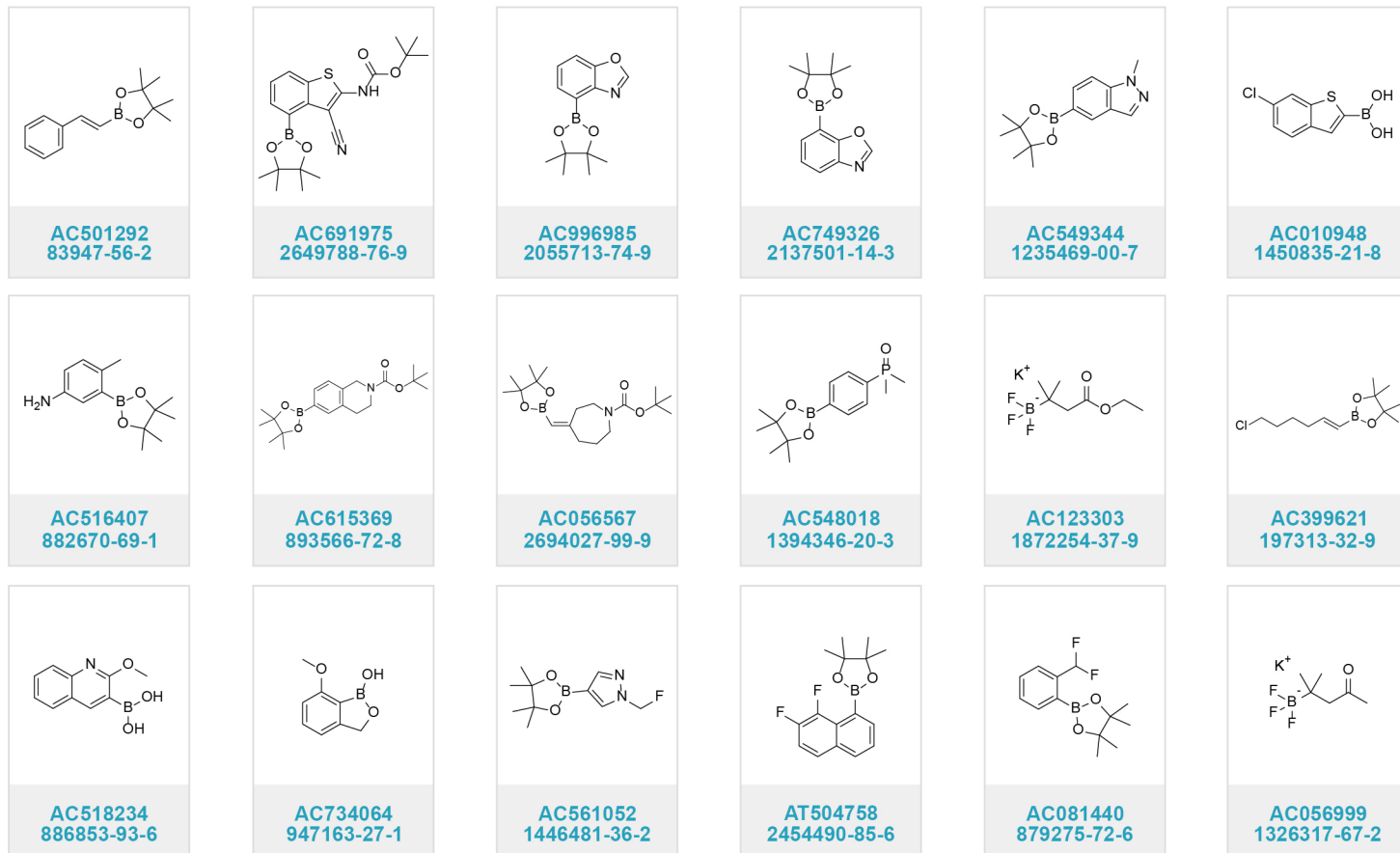
## Bridged[3.x.1]



## Other Bridged compounds



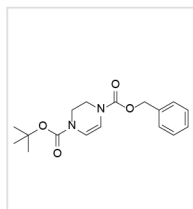
## Boronic acid & ester & Fluoroborate



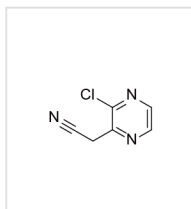
## Piperidine



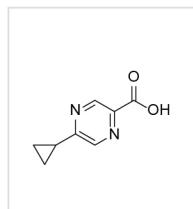
## Pyrazine



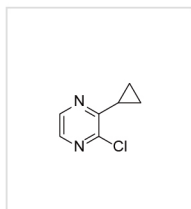
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1228675-27-1



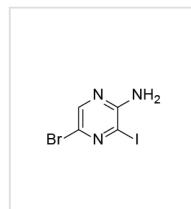
**AC543682**  
914360-88-6



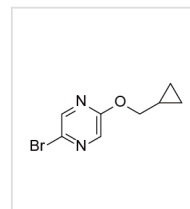
**AC685486**  
1211537-40-4



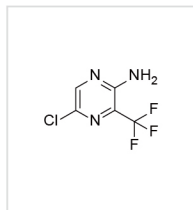
**AC226986**  
136819-11-9



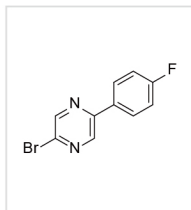
**AC535202**  
1062608-42-7



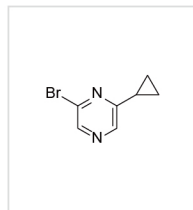
**AC380360**  
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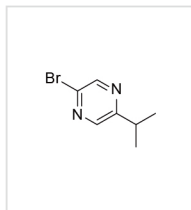
**AC509957**  
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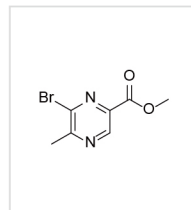
**AC370119**  
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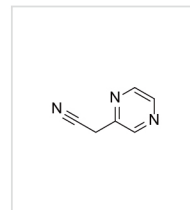
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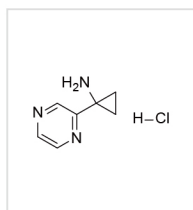
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1086382-76-4



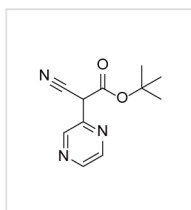
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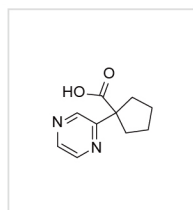
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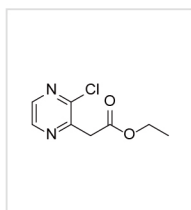
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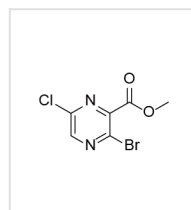
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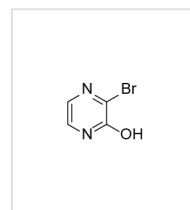
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**AC671462**  
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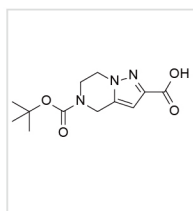


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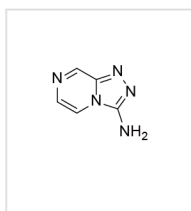


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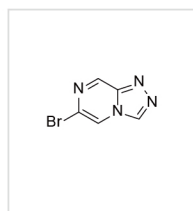
## Pyrazine[b]Ar



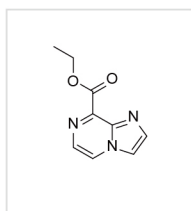
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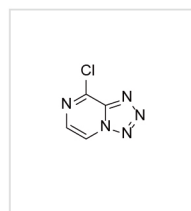
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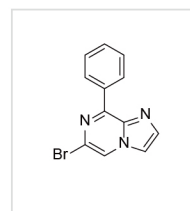
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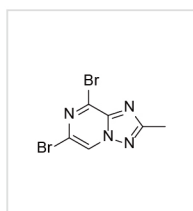
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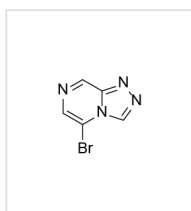
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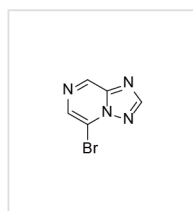
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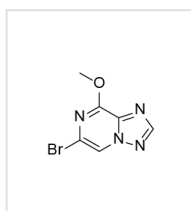
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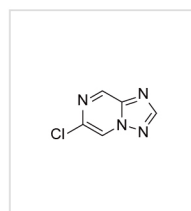
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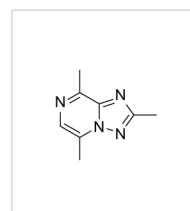
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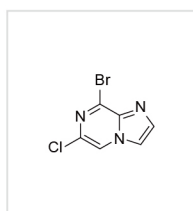
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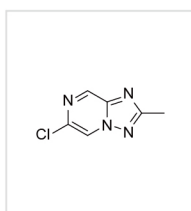
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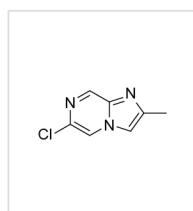
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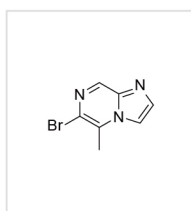
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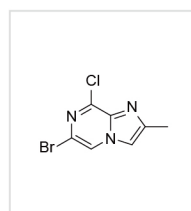
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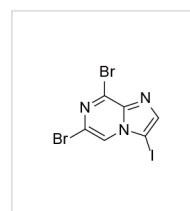
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**AC839223**  
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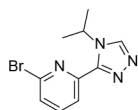


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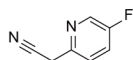


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## Pyridine



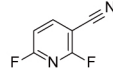
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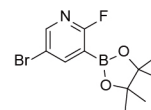
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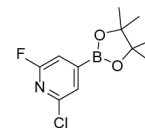
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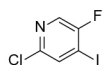
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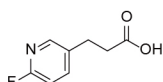
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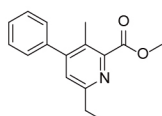
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**AC030139**  
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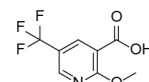
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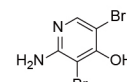
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**AC747644**  
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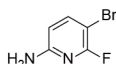
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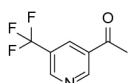
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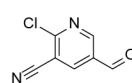
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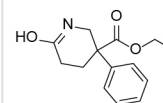
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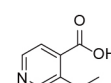
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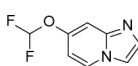


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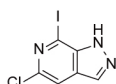


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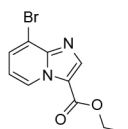
## Pyridine[b]Ar



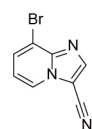
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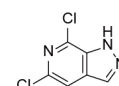
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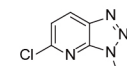
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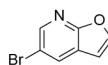
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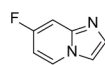
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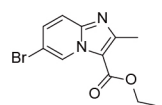
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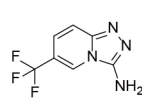
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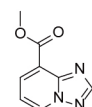
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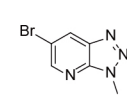
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**AC997996**  
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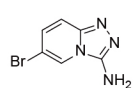
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**AC595120**  
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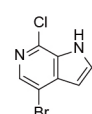
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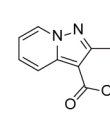
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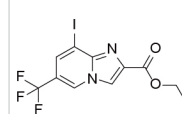
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**AC736348**  
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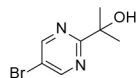
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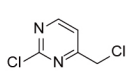
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## Pyrimidine



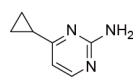
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**AC773158**  
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**AC543932**  
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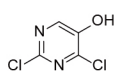
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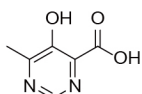
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**AC740301**  
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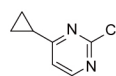
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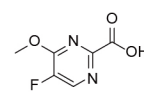
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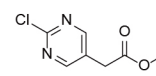
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**AC121648**  
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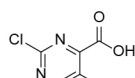
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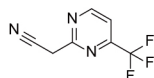
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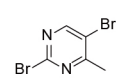
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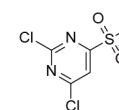
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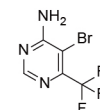
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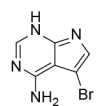


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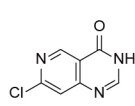


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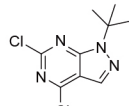
## Pyrimidine[b]Ar



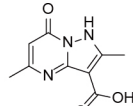
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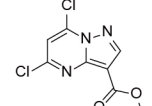
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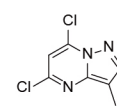
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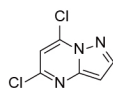
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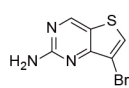
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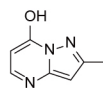
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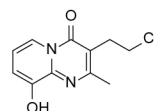
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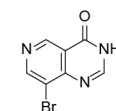
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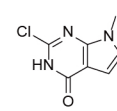
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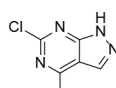
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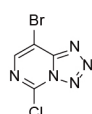
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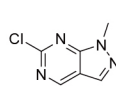
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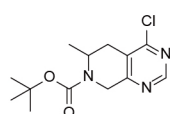
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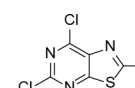
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**AC754705**  
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**AC739991**  
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