

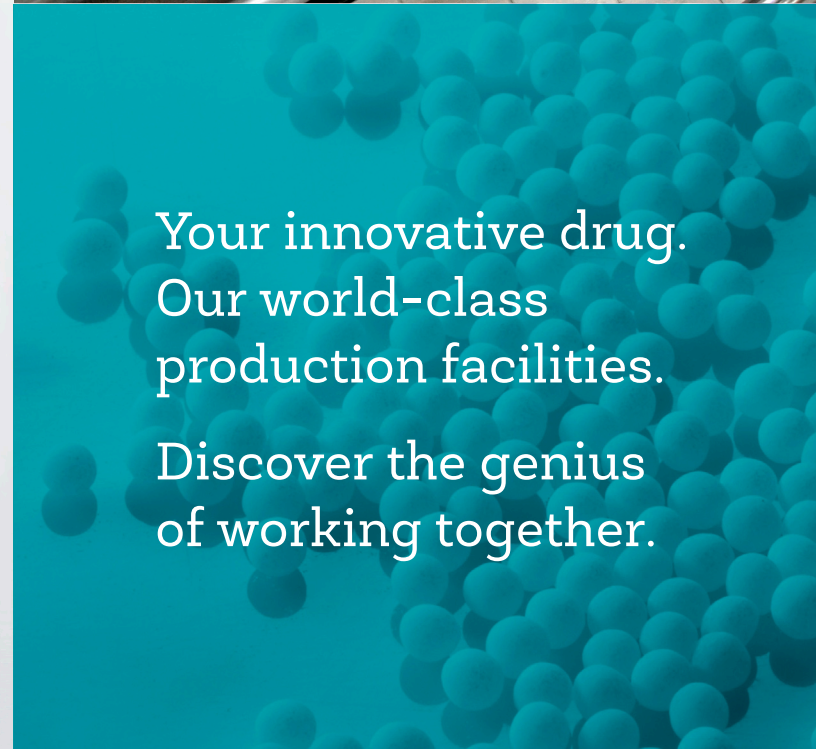


Recipharm's  
full service  
offering

Recipharm









RECIPHARM DEVELOPMENT  
 SERVICES OFFERING

|                                                |                                                                          | Cramlington<br>(UK)        | Ness Ziona<br>(IL) | Paderno<br>Dugnano<br>(IT) | Uppsala<br>(SE) | Bengaluru<br>(IN)        | Pessac<br>(FR) | Queenborough<br>(UK) | Solna<br>(SE) | Research<br>Triangle Park<br>(US) |
|------------------------------------------------|--------------------------------------------------------------------------|----------------------------|--------------------|----------------------------|-----------------|--------------------------|----------------|----------------------|---------------|-----------------------------------|
|                                                |                                                                          | Drug Substance Development |                    |                            |                 | Drug Product Development |                |                      |               |                                   |
| Analytical services                            | Preformulation                                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Analytical method development and validation                             |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | QC analysis and QA/QP release                                            |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Bioanalytical development                                                |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Impurity investigations (isolation, identification, synthesis, tracking) |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Extractables and leachables study                                        |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | ICH stability studies                                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
| Drug substance development and GMP manufacture | Medicinal chemistry                                                      |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Custom synthesis (metabolites, intermediates, etc.)                      |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | ADC development                                                          |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | HiPo development                                                         |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Flow chemistry                                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Route scouting                                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Tox batch scale up (from mg to kg)                                       |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Chemistry process R&D including QbD/DoE                                  |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Clinical manufacturing                                                   |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Process validation                                                       |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Commercial manufacturing                                                 |                            |                    |                            |                 |                          |                |                      |               |                                   |
| Drug product development and CTM manufacture   | SOLIDS                                                                   |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Tablets                                                                  |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Wet granulation                                                          |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Dry mixture/Direct compression                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Controlled/Modified release                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Effervescent tablets                                                     |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Mini tablets                                                             |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Bi-layer                                                                 |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Capsules                                                                 |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Coated pellets                                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Granules, powders                                                        |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Oral dissolving films                                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | INJECTABLES                                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Vials                                                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Ampoules                                                                 |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Pre-filled syringes                                                      |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Cartridges                                                               |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | INHALATION                                                               |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Metered dose inhalers (MDI)                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Dry powder inhalers (DPI)                                                |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Nebulised liquids, soft mist inhalers                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Nasal spray and powder                                                   |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | LIQUIDS                                                                  |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Sprays                                                                   |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Suspensions, emulsions                                                   |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Non-sterile solutions                                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | SEMI-SOLIDS                                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Gels, ointments, creams                                                  |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | IVRT/IVPT                                                                |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | OPHTHALMICS                                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Bottles, tubes                                                           |                            |                    |                            |                 |                          |                |                      |               |                                   |
| Packaging and labelling of CTM                 | Thermoformed/cold formed blisters                                        |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Bottles, jars                                                            |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Tubes                                                                    |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Sachets                                                                  |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Stick packs                                                              |                            |                    |                            |                 |                          |                |                      |               |                                   |
|                                                | Labelling, secondary packaging incl. blinded studies                     |                            |                    |                            |                 |                          |                |                      |               |                                   |
| Regulatory                                     | CMC support and regulatory expertise                                     |                            |                    |                            |                 |                          |                |                      |               |                                   |



# LOCALLY PRESENT FOR YOUR GLOBAL NEEDS

