



# medEctoin<sup>®</sup>

RAW MATERIAL



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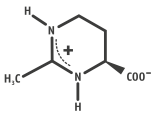
**bitop**  
The Ectoin<sup>®</sup> Company

# medEctoin®

## pharma-grade Ectoin



- **medEctoin®** is a clinically studied and proven, very tolerable substance for the use in the pharmaceutical industry, healthcare products and as a substance in medical devices (OTC).
- It is a cyclic amino acid derivate with highly effective inflammation-reducing and membrane-stabilizing properties. The efficacy of **medEctoin®** has been proven in over 40 clinical trials.
- **medEctoin®** is the only „Made in Germany“ and 100% natural ectoine in the market qualified for the use in pharmaceutical and healthcare products and as a substance in medical devices (OTC).

Trade name	medEctoin®
INCI name	Ectoin
Chemical name	(4S)-2-methyl-1,4,5,6-tetra-hydropyrimidine-4-carboxylic acid
CAS No.	96702-03-3
EINECS / EC No.	431-910-1
REACH No.	01-0000017811-72-0001
Description	Cyclic amino acid derivate
Structure	
Level of use	0.5% - no upper limit
Product of use	Pharmaceuticals, Healthcare Products, Medical Devices (OTC)
Certifications	NATRUE, COSMOS, EcoCert
Application media	Water phase
Stability	pH 1-9, very high temperatures (>85°C), sub-zero temperatures (e.g. freeze-drying); light stable, stable against oxygen
Solubility	Excellent solubility in water (~ 550 g/l); glycerin
Shelf life	> 5 years
Preservation	Preservative free
Origin	Manufactured by a biotechnological manufacturing process (fermentation) according to EN ISO 13485 at the bitop AG plant in Dortmund, Germany.
Pack units	1kg (wide-mouth PE bottle) , 5kg, 10kg (PE bag in cardboard packaging), 25kg (PE bag in hobbock on euro palette)

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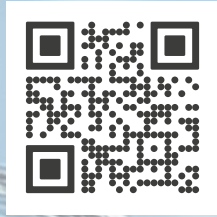
pharma-grade Ectoin



## Studies conducted with medEctoin® in Healthcare Products (OTC)

Indication	Studies	Patients	Main Outcome
Allergy	<10	<650	<ul style="list-style-type: none"> <li>• <b>Improvement of</b> local symptoms of eye &amp; nose</li> <li>• <b>As effective as</b> standard drugs</li> </ul>
Airway Diseases	4	393	<ul style="list-style-type: none"> <li>• <b>Reduction of</b> specific inflammation markers (Asthma/ COPD)</li> <li>• <b>Significant improvement</b> of asthma symptoms</li> <li>• <b>Reduction of</b> Bronchitis symptoms</li> </ul>
Cough & Cold	6	520	<ul style="list-style-type: none"> <li>• <b>Nose: reduction of</b> rhinitis &amp; rhinosinusitis, very good sensoric properties</li> <li>• <b>Throat: significant reduction</b> of lymph node swelling</li> </ul>
Dry Eyes Dry Nose	<10	>1.000 (eye)	<ul style="list-style-type: none"> <li>• Eyes: <b>significant improvement</b> of TBUT, non inferior to HA eye drops, improvement of wound healing, reduction of non specific inflammation</li> <li>• <b>Nose: improvement of</b> combined dry nose symptoms score</li> </ul>
Dermatology	>15	6 with MD >9 with Cosmetics	<ul style="list-style-type: none"> <li>• <b>Reduction of</b> local Atopic Dermatitis symptoms, erythema, TEWL, irritation score, dryness, scaling (N&gt;500)</li> <li>• <b>Reduction of</b> local Psoriasis symptoms (N&gt;90)</li> <li>• <b>Anti Aging /</b> stress protection efficacy (N&gt;400)</li> </ul>
Supportive Care	1	3 case series >60 patients	<ul style="list-style-type: none"> <li>• <b>Reduction of</b> oncology treatment reduced inflammatory response</li> <li>• Prophylactic and therapeutic reduction of mucositis symptoms</li> </ul>
Gynecology and Women's Health	1	>200	<ul style="list-style-type: none"> <li>• <b>Long term hydration</b> and regeneration of vaginal mucosa</li> <li>• Superior treatment of Vaginal atrophy and vaginal dryness compared to Hyaluronic Acid</li> </ul>

# Scan to contact our sales team



## Let's talk

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