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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Balovaptan

Item No. 37329

CAS Registry No.: 1228088-30-9
Formal Name: 8-chloro-5,6-dihydro-5-methyl-1-[trans-4-(2-pyridinyloxy)cyclohexyl]-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine

Synonyms: RG7314, Ro 5285119

MF: C₂₂H₂₄ClN₅O

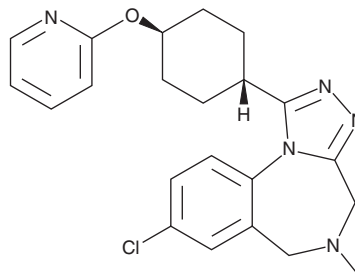
FW: 409.9

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Balovaptan is supplied as a solid. A stock solution may be made by dissolving the balovaptan in the solvent of choice, which should be purged with an inert gas. Balovaptan is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of balovaptan in ethanol is approximately 25 mg/ml and approximately 10 mg/ml in DMSO and DMF.

Description

Balovaptan is an antagonist of the vasopressin V_{1A} receptors ($K_i = 0.4$ nM for the human receptor).¹ It is selective for V_{1A} receptors over V_{1B} and V₂ receptors and oxytocin (OT) receptors ($K_s = >6,300, 2,474,$ and $1,063$ nM, respectively, for the human receptors).

Reference

1. Schnider, P., Bissantz, C., Bruns, A., *et al.* Discovery of balovaptan, a vasopressin 1a receptor antagonist for the treatment of autism spectrum disorder. *J. Med. Chem.* **63**(4), 1511-1525 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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