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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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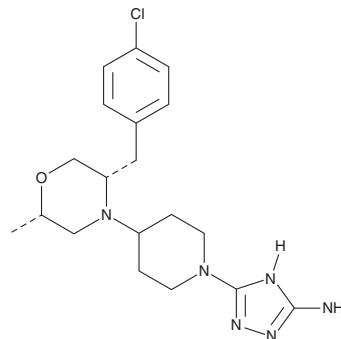
PRODUCT INFORMATION



OATD-01

Item No. 35193

CAS Registry No.: 2088453-21-6
Formal Name: 5-[4-[(2S,5S)-5-[(4-chlorophenyl)methyl]-2-methyl-4-morpholinyl]-1-piperidinyl]-1H-1,2,4-triazol-3-amine
MF: C₁₉H₂₇ClN₆O
FW: 390.9
Purity: ≥98%
UV/Vis.: λ_{max}: 225 nm
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

OATD-01 is supplied as a solid. A stock solution may be made by dissolving the OATD-01 in the solvent of choice, which should be purged with an inert gas. OATD-01 is soluble in ethanol.

Description

OATD-01 is an inhibitor of chitotriosidase 1 (CHIT1) and acidic mammalian chitinase (CHIA), also known as AMCase (IC₅₀s = 23 and 9 nM, respectively).¹ It is selective for CHIT1 and CHIA over a panel of 98 enzymes at 10 μM. OATD-01 (30 and 100 mg/kg) reduces the degree of lung fibrosis and plasma chitinolytic activity in a mouse model of pulmonary fibrosis induced by bleomycin (Item No. 13877).

Reference

1. Koralweski, R., Dymek, B., Mazur, M., *et al.* Discovery of OATD-01, a first-in-class chitinase inhibitor as potential new therapeutics for idiopathic pulmonary fibrosis. *J. Med. Chem.* **63**(24), 15527-15540 (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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