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Produktinformation

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- 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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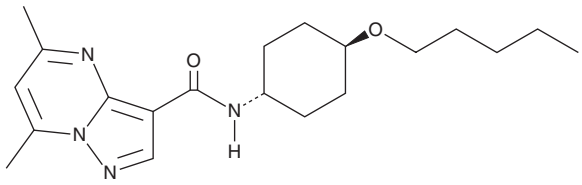
PRODUCT INFORMATION

LTI-291

Item No. 34305

CAS Registry No.:	1919820-28-2
Formal Name:	5,7-dimethyl-N-[*trans*-4-(pentyloxy)cyclohexyl]-pyrazolo[1,5-a]pyrimidine-3-carboxamide
MF:	$C_{20}H_{30}N_4O_2$
FW:	358.5
Purity:	≥98%
UV/Vis.:	λ_{max}: 224, 238 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



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

Laboratory Procedures

LTI-291 is supplied as a solid. A stock solution may be made by dissolving the LTI-291 in the solvent of choice, which should be purged with an inert gas. LTI-291 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of LTI-291 in DMSO is approximately 20 mg/ml and approximately 30 mg/ml in ethanol and DMF.

LTI-291 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, LTI-291 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. LTI-291 has a solubility of approximately 0.2 mg/ml in a 1:4 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

LTI-291 is a CNS-penetrant allosteric activator of glucocerebrosidase (GCase).[1] It increases the activity of wild-type human GCase by 25 and 130% when used at concentrations of 0.1 and 1 µM, respectively.

Reference

1. den Heijer, J.M., Kruithof, A.C., van Amerongen, G., *et al.* A randomized single and multiple ascending dose study in healthy volunteers of LTI-291, a centrally penetrant glucocerebrosidase activator. *Br. J. Clin. Pharmac.* 1-13 (2021).

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