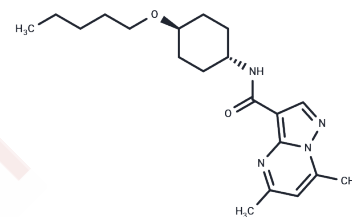


Gcase activator 1

Chemical Properties

CAS No. :	1919820-28-2
Formula:	C ₂₀ H ₃₀ N ₄ O ₂
Molecular Weight:	358.48
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Gcase activator 1 (LTI-291) is a glucocerebrosidase (Gcase) activator.
Targets(IC50)	Glucosidase, glycosidase

Solubility Information

Solubility	DMSO: 50 mg/mL (139.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.58 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7896 mL	13.9478 mL	27.8956 mL
5 mM	0.5579 mL	2.7896 mL	5.5791 mL
10 mM	0.279 mL	1.3948 mL	2.7896 mL
50 mM	0.0558 mL	0.279 mL	0.5579 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Renato T. Skerlj, et al. Methods of treatment and combination therapies using gcase activator heterobicyclic and related compounds. WO 2017192841 A1.

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