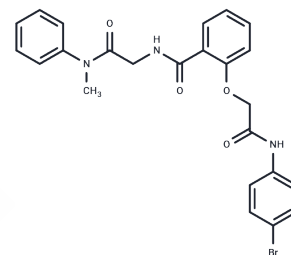


ML266

## Chemical Properties

CAS No. : 1462267-08-8  
 Formula: C<sub>24</sub>H<sub>22</sub>BrN<sub>3</sub>O<sub>4</sub>  
 Molecular Weight: 496.35  
 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	ML266, a glucocerebrosidase (GCase) chaperone with an IC <sub>50</sub> of 2.5 μM, facilitates the transport of the mutant protein to the lysosome, thereby restoring GCase activity without inhibiting the enzyme's function. This compound shows promise for Gaucher disease research.
Targets(IC <sub>50</sub> )	Glucokinase, Glucosidase, glycosidase

## Solubility Information

Solubility	DMSO: 45 mg/mL (90.66 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 (4.03 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	2.0147 mL	10.0735 mL	20.1471 mL
5 mM	0.4029 mL	2.0147 mL	4.0294 mL
10 mM	0.2015 mL	1.0074 mL	2.0147 mL
50 mM	0.0403 mL	0.2015 mL	0.4029 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

Rogers S, et al. Discovery, SAR, and Biological Evaluation of Non-inhibitory Chaperones of Glucocerebrosidase. 2012 Mar 27 [updated 2013 Mar 7].

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