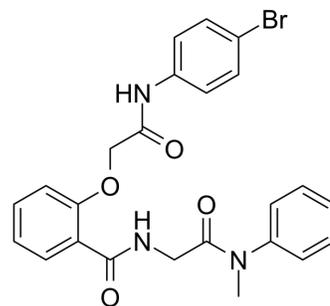


ML266

Cat. No.:	HY-126362		
CAS No.:	1462267-08-8		
Molecular Formula:	C ₂₄ H ₂₂ BrN ₃ O ₄		
Molecular Weight:	496.35		
Target:	Glucosidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (251.84 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ML266 is glucocerebrosidase (GCase) molecule chaperone with IC₅₀ of 2.5 μM. ML266 binds to GCase and transports of the mutant protein to the lysosome, and resume the activity of GCase. ML266 dose not inhibit the GCase enzyme's action. ML266 has the potential for the research of gaucher disease^[1].

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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