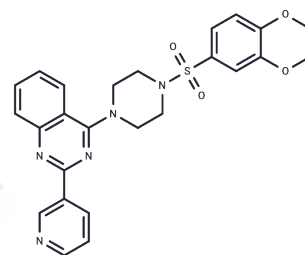


WAY-640509

Chemical Properties

CAS No. : 851185-20-1
 Formula: C₂₅H₂₃N₅O₄S
 Molecular Weight: 489.55
 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	WAY-640509 is a glucocerebrosidase inhibitor.
Targets(IC50)	Glucokinase,Glucosidase,glycosidase
In vitro	WAY-640509 inhibits the hydrolysis of 4-methylumbelliferone β-D-glucopyranoside in N370S tissue homogenate with AC50 of 25.29[1].

Solubility Information

Solubility	DMSO: 1 mg/mL (2.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0427 mL	10.2135 mL	20.4269 mL
5 mM	0.4085 mL	2.0427 mL	4.0854 mL
10 mM	0.2043 mL	1.0213 mL	2.0427 mL
50 mM	0.0409 mL	0.2043 mL	0.4085 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

Marugan JJ, et al. Evaluation of quinazoline analogues as glucocerebrosidase inhibitors with chaperone activity. J Med Chem. 2011 Feb 24;54(4):1033-58.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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