

DAGL β -IN-1

Chemical Properties

CAS No. : 1402612-61-6

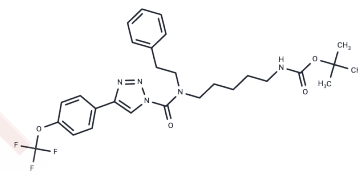
Formula: C₂₈H₃₄F₃N₅O₄

Molecular Weight: 561.6

Storage:

Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	DAGL β -IN-1 is a universal intermediate for designing DAGL tailored activity-based probes, and is an inhibitor of diacylglycerol lipase- β (DAGL β).
Targets(IC ₅₀)	Others
In vitro	Diacylglycerol lipase- β (DAGL β) serves as the primary biosynthetic enzyme for the endogenous cannabinoid 2-arachidonic acid glycerol (2-AG)[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (80.13 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	1.7806 mL	8.9031 mL	17.8063 mL
5 mM	0.3561 mL	1.7806 mL	3.5613 mL
10 mM	0.1781 mL	0.8903 mL	1.7806 mL
50 mM	0.0356 mL	0.1781 mL	0.3561 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

Ku-Lung Hsu, et al. Development and Optimization of Piperidyl-1,2,3-Triazole Ureas as Selective Chemical Probes of Endocannabinoid Biosynthesis. *J Med Chem* . 2013 Nov 14;56(21):8257-69.

Tiziana Bisogno, et al. Cloning of the First sn1-DAG Lipases Points to the Spatial and Temporal Regulation of Endocannabinoid Signaling in the Brain. *J Cell Biol*. 2003 Nov 10;163(3):463-8.

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