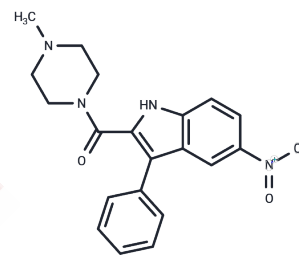


MJN228

Chemical Properties

CAS No. :	459168-97-9
Formula:	C ₂₀ H ₂₀ N ₄ O ₃
Molecular Weight:	364.4
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	MJN228 is a lipid-binding protein nucleobindin-1 (NUCB1) inhibitor that blocks the AEA-DA probe labeling of endogenous NUCB1 in Neuro2a cells and can be used for the study of metabolic disorders.
Targets(IC50)	Others,Liposome
In vitro	25 μ M MJN228 significantly reduced lipid probe labeling of NUCB1 in Neuro2a cells. [1] MJN228 interfered with multiple intracellular lipid metabolic pathways. [1]

Solubility Information

Solubility	DMSO: 20 mg/mL (54.88 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	2.7442 mL	13.7212 mL	27.4424 mL
5 mM	0.5488 mL	2.7442 mL	5.4885 mL
10 mM	0.2744 mL	1.3721 mL	2.7442 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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

Niphakis MJ, et al. A Global Map of Lipid-Binding Proteins and Their Ligandability in Cells. Cell. 2015 Jun 18;161(7):1668-80.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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