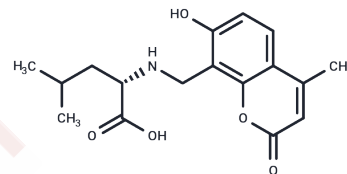


AF40431

Chemical Properties

CAS No. : 181125-92-8
 Formula: C₁₇H₂₁NO₅
 Molecular Weight: 319.35
 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	AF40431 is the first reported small-molecule ligand of sortilin (IC ₅₀ : 4.4 μM; K _d : 0.7 μM). AF40431 is bound in the neurotensin-binding site of sortilin.
Targets(IC ₅₀)	Others, Neurotensin Receptor

Solubility Information

Solubility	DMSO: 25 mg/mL (78.28 mM), when pH is adjusted to 1 with TFA. 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	3.1314 mL	15.6568 mL	31.3136 mL
5 mM	0.6263 mL	3.1314 mL	6.2627 mL
10 mM	0.3131 mL	1.5657 mL	3.1314 mL
50 mM	0.0626 mL	0.3131 mL	0.6263 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

Andersen JL, et al. Identification of the first small-molecule ligand of the neuronal receptor sortilin and structure determination of the receptor-ligand complex. Acta Crystallogr D Biol Crystallogr. 2014 Feb;70(Pt 2):451-60.

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