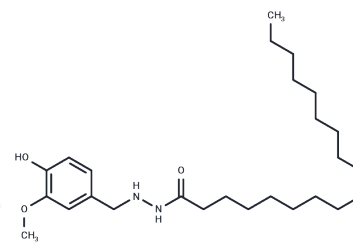


OMDM-5

Chemical Properties

CAS No. : 616884-66-3
 Formula: C₂₆H₄₄N₂O₃
 Molecular Weight: 432.64
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	OMDM-5 is a potent vanilloid receptor type 1 (TRPV1, EC ₅₀ = 75 nM) agonist, showing weak ligand activity at cannabinoid type 1 receptor (CB1, K _i =4.9 μM). OMDM-5 is a selective anandamide cellular uptake (ACU) inhibitor(K _i = 4.8 μM).
Targets(IC ₅₀)	Cannabinoid Receptor,Endogenous Metabolite,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 65 mg/ml (150.24 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3114 mL	11.557 mL	23.1139 mL
5 mM	0.4623 mL	2.3114 mL	4.6228 mL
10 mM	0.2311 mL	1.1557 mL	2.3114 mL
50 mM	0.0462 mL	0.2311 mL	0.4623 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.

Reference

Ortar G, et al. Novel selective and metabolically stable inhibitors of anandamide cellular uptake. *Biochem Pharmacol.* 2003 May 1;65(9):1473-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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