

KOR agonist 3

Chemical Properties

CAS No. :

Formula: C₂₄H₂₄N₂O₃

Molecular Weight: 388.46

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	KOR agonist 3 (Compound 5) is an agonist of the κ opioid receptor (κ OR) with an EC ₅₀ of 0.88 nM. It also exhibits some activation of μ OR, with an EC ₅₀ of 720 nM. However, KOR agonist 3 does not activate δ OR at concentrations below 1 μ M. Its ability to recruit β -Arrestin-2 is lower than that of U50488.
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5743 mL	12.8713 mL	25.7427 mL
5 mM	0.5149 mL	2.5743 mL	5.1485 mL
10 mM	0.2574 mL	1.2871 mL	2.5743 mL
50 mM	0.0515 mL	0.2574 mL	0.5149 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.

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