

MN-25

Chemical Properties

CAS No. : 501926-82-5

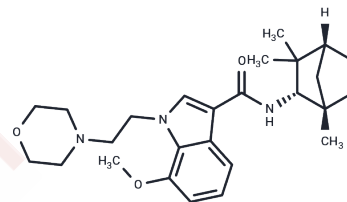
Formula: C₂₆H₃₇N₃O₃

Molecular Weight: 439.59

Keep away from direct sunlight

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	MN-25 (compound 4a) is an orally active indole pyridinone that functions as a novel cannabinoid ligand. It exhibits binding affinities (K _i) of 245 nM for CB1 and 11 nM for CB2 receptors. As a CB2 agonist, MN-25 inhibits TNF-R release from human peripheral blood mononuclear cells in vitro, with an IC ₅₀ of 33 μM. However, in an acute inflammation model in mice, MN-25 did not demonstrate efficacy at oral doses up to 50 mg/kg.
Targets(IC ₅₀)	Cannabinoid Receptor, TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2748 mL	11.3742 mL	22.7485 mL
5 mM	0.455 mL	2.2748 mL	4.5497 mL
10 mM	0.2275 mL	1.1374 mL	2.2748 mL
50 mM	0.0455 mL	0.2275 mL	0.455 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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