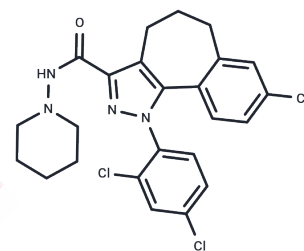


NESS 0327

Chemical Properties

CAS No. : 494844-07-4
 Formula: C₂₄H₂₃Cl₃N₄O
 Molecular Weight: 489.82
 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	NESS 0327 is a high selectivity antagonist of the cannabinoid CB1 receptor. NESS 0327 is more than 60,000-fold selective for the CB1 receptor.
Targets(IC50)	Cannabinoid Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (20.42 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 1 mg/mL (2.04 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.04 mM), Suspension. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0416 mL	10.2078 mL	20.4157 mL
5 mM	0.4083 mL	2.0416 mL	4.0831 mL
10 mM	0.2042 mL	1.0208 mL	2.0416 mL
50 mM	0.0408 mL	0.2042 mL	0.4083 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

Ruiu S, et al. Synthesis and characterization of NESS 0327: a novel putative antagonist of the CB1 cannabinoid receptor. J Pharmacol Exp Ther. 2003;306(1):363-370.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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