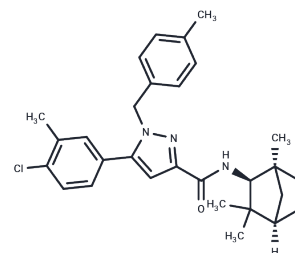


SR144528

Chemical Properties

CAS No. : 192703-06-3
Formula: C₂₉H₃₄ClN₃O
Molecular Weight: 476.05
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	SR144528 is an antagonist of the CB2 receptor (K _i = 0.6 nM) and inhibits microsomal ACAT activity (IC ₅₀ = 3.6 μM).
Targets(IC ₅₀)	Cannabinoid Receptor
In vitro	SR144528(1 μM) stimulates the forskolin-sensitive adenylyl cyclase activity in CHO-CB2 cells in a concentration-dependent manner with an EC ₅₀ of 26 nM[1]. In Raw 264.7 macrophages, SR144528 reduces the activity of caspase 3. SR144528(10 μM) inhibits microsomal ACAT activity(68%)[2].
In vivo	SR144528 enhances delayedgastric emptying[3].

Solubility Information

Solubility	DMSO: 45.0 mg/mL (94.5 mM),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	2.1006 mL	10.5031 mL	21.0062 mL
5 mM	0.4201 mL	2.1006 mL	4.2012 mL
10 mM	0.2101 mL	1.0503 mL	2.1006 mL
50 mM	0.042 mL	0.2101 mL	0.4201 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

Rinaldi-Carmona M, et al. SR 144528, the first potent and selective antagonist of the CB2 cannabinoid receptor. J Pharmacol Exp Ther. 1998 Feb;284(2):644-50.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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