

RTICBM-189

Chemical Properties

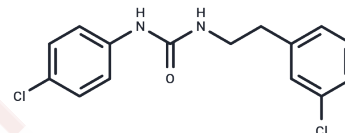
CAS No. : 551909-15-0

Formula: C₁₅H₁₄Cl₂N₂O

Molecular Weight: 309.19

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	RTICBM-189 is a potent, brain-penetrant allosteric modulator of the cannabinoid type-1 (CB1) receptor with a pIC ₅₀ of 7.54 in the Ca ²⁺ mobilization assay, and exhibits pIC ₅₀ s of 5.29 for hCB1 and 6.25 for mCB1.
Targets(IC ₅₀)	Cannabinoid Receptor,Others

Solubility Information

Solubility	DMSO: 100 mg/mL (323.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (10.67 mM),Sonication is recommended. <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	3.2343 mL	16.1713 mL	32.3426 mL
5 mM	0.6469 mL	3.2343 mL	6.4685 mL
10 mM	0.3234 mL	1.6171 mL	3.2343 mL
50 mM	0.0647 mL	0.3234 mL	0.6469 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481