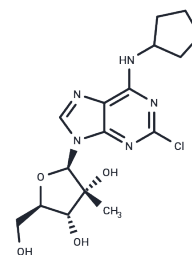


2'-MeCCPA

Chemical Properties

CAS No. :	205171-12-6
Formula:	C ₁₆ H ₂₂ ClN ₅ O ₄
Molecular Weight:	383.83
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	2'-MeCCPA is a potent and highly selective A ₁ adenosine receptor (A ₁ AR) agonist with a K-value of 1.8 nM for AR. 2'-MeCCPA inhibits trichostatin-stimulated adenylate cyclase activity with an IC value of 13.1 nM, exhibits analgesic activity, and can be used in the study of HCV.
Targets(IC ₅₀)	HCV Protease, Adenosine Receptor
In vivo	During reperfusion, 2'-MeCCPA (1 nM-1 M) significantly reduces the infarct area and risk ratio in male Sprague-Dawley rats[2].

Solubility Information

Solubility	DMSO: 100 mg/mL (260.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6053 mL	13.0266 mL	26.0532 mL
5 mM	0.5211 mL	2.6053 mL	5.2106 mL
10 mM	0.2605 mL	1.3027 mL	2.6053 mL
50 mM	0.0521 mL	0.2605 mL	0.5211 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

Muntean BS, et al. Interrogating the Spatiotemporal Landscape of Neuromodulatory GPCR Signaling by Real-Time Imaging of cAMP in Intact Neurons and Circuits. Cell Rep. 2018 Jan 2;22(1):255-268.

J Bhandal, et al. Adenosine a1 receptor activation can protect the myocardium from ischaemia reperfusion injury post reperfusion. BMJ Journals. Volume 104, Issue Suppl 3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481