Data Sheet (Cat.No.T14880)

TargetMol®
YOUR TARGET MOLECULES

CB-7921220

Chemical Properties

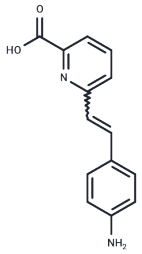
CAS No. : 115453-99-1

Formula: C14H12N2O2

Molecular Weight: 240.26

Appearance: no data available

Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CB-7921220 (6-[2-(4-Aminophenyl)vinyl]-2-pyridinecarboxylic acid) is an inhibitor of adenylate cyclase.
Targets(IC50)	AChR
In vitro	CB-7921220 shows a degree of isoform selectivity for adenylate cyclase 1. CB-7921220 lacks selectivity between AC1 and AC6[1].

Solubility Information

Solubility	DMSO: 40 mg/mL (166.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1622 mL	20.8108 mL	41.6216 mL
5 mM	0.8324 mL	4.1622 mL	8.3243 mL
10 mM	0.4162 mL	2.0811 mL	4.1622 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

Brand CS, et al. Isoform selectivity of adenylyl cyclase inhibitors: characterization of known and novel compounds. J Pharmacol Exp Ther. 2013 Nov;347(2):265-75.

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:36 Washington Street,Wellesley Hills,MA 02481