Data Sheet (Cat.No.T22476)

TargetMol

(±)-AC 7954 hydrochloride

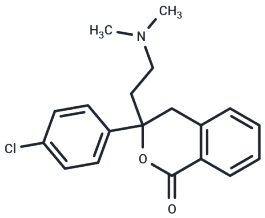
Chemical Properties

CAS No. : 477313-09-0

Formula: C19H21Cl2NO2

Molecular Weight: 366.28

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	(±)-AC 7954 hydrochloride is a urotensin-II (UT) receptor activator.
Targets(IC50)	Neurotensin Receptor,GPCR

Solubility Information

Solubility	H2O: 67.5 mg/mL (184.29 mM),Sonication is recommended. DMSO: 45 mg/mL (122.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7302 mL	13.6508 mL	27.3015 mL
5 mM	0.546 mL	2.7302 mL	5.4603 mL
10 mM	0.273 mL	1.3651 mL	2.7302 mL
50 mM	0.0546 mL	0.273 mL	0.546 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

McDonald J, et al. Role of urotensin II and its receptor in health and disease. J Anesth. 2007;21(3):378-389.
Croston GE, et al. Discovery of the first nonpeptide agonist of the GPR14/urotensin-II receptor: 3-(4-chlorophenyl) -3-(2- (dimethylamino)ethyl)isochroman-1-one (AC-7954). J Med Chem. 2002;45(23):4950-4953.

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