Data Sheet (Cat.No.T15023)



CX-157

Chemical Properties

CAS No.: 205187-53-7 Formula: C14H8F4O4S

Molecular Weight: 348.27

Appearance: no data available

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

Biological Description

Description	CX-157 (KP 157) is a novel monoamine oxidase-A (MAO-A) inhibitor for the study of depression-like neurological disorders and cancer.
Targets(IC50)	MAO
In vivo	CX157 (60 and 80 mg) significantly inhibited the binding of [(11)C]clorgyline to brain MAO-A by 47-72% at 2 hours post-administration, with complete recovery of brain MAO-A by 24 hours post-dosing[1].

Preparing Stock Solutions

90	1mg	5mg	10mg	
1 mM	2.8713 mL	14.3 <mark>567 mL</mark>	28.7134 mL	
5 mM	0.5743 mL	2.8713 mL	5.7427 mL	
10 mM	0.2871 mL	1.4357 mL	2.8713 mL	
50 mM	0.0574 mL	0.2871 mL	0.5743 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

Fowler JS, et al. Reversible inhibitors of monoamine oxidase-A (RIMAs): robust, reversible inhibition of human brain MAO-A by CX157. Neuropsychopharmacology. 2010 Feb;35(3):623-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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