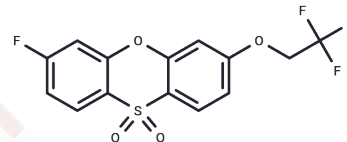


CX-157

## Chemical Properties

CAS No. : 205187-53-7  
 Formula: C<sub>14</sub>H<sub>8</sub>F<sub>4</sub>O<sub>4</sub>S  
 Molecular Weight: 348.27  
 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	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, Monoamine Oxidase
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

	1mg	5mg	10mg
1 mM	2.8713 mL	14.3567 mL	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.

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

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.

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