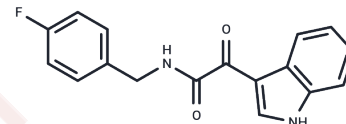


TCS 1105

Chemical Properties

CAS No. : 185391-33-7
 Formula: C17H13FN2O2
 Molecular Weight: 296.3
 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	TCS 1105 is a GABAA benzodiazepine receptor (BZR) ligand. TCS 1105 blocks Sema3A induced axonal growth cones collapse. TCS 1105 reduces anxiety-like behavior and enhances offensive behavior and social dominance in mice.
Targets(IC50)	Others,GABA Receptor

Solubility Information

Solubility	DMSO: 25 mg/mL (84.37 mM),Sonication is recommended. Ethanol: < 5.93 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.375 mL	16.8748 mL	33.7496 mL
5 mM	0.675 mL	3.375 mL	6.7499 mL
10 mM	0.3375 mL	1.6875 mL	3.375 mL
50 mM	0.0675 mL	0.3375 mL	0.675 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

- Xu J, et al. Anesthetics disrupt growth cone guidance cue sensing through actions on the GABAA α 2 receptor mediated by the immature chloride gradient. *Neurotoxicol Teratol.* 2019 Jul-Aug;74:106812.
 van der Kooij MA, et al. GABAA receptors in the ventral tegmental area control the outcome of a social competition in rats. *Neuropharmacology.* 2018 Aug;138:275-281.

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