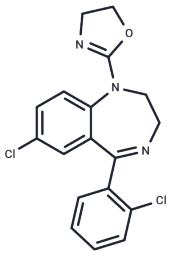
Data Sheet (Cat.No.T34551)

TargetMol

SC 32855

Chemical Properties



CAS No. : 76053-14-0

Formula: C18H15Cl2N3O

Molecular Weight: 360.24

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	SC 32855 is a 1,4-benzodiazepine that has been shown to arrest of spermatogenesis and degeneration of the germinal epithelium.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7759 mL	13.8796 mL	27.7593 mL
5 mM	0.5552 mL	2.7759 mL	5.5519 mL
10 mM	0.2776 mL	1.388 mL	2.7759 mL
50 mM	0.0555 mL	0.2776 mL	0.5552 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

Chengelis CP, Dodd DC, Kotsonis FN. Testicular toxicity of a novel 1,4-benzodiazepine (SC-32855) in rats and dogs. Res Commun Chem Pathol Pharmacol. 1986 Jan;51(1):23-36. PubMed PMID: 3952369.

Means JR, Chengelis CP, Jasty V. Testicular toxicity induced by oral administration of SC-32855, A 1,4-benzodiazepine, in the dog. Res Commun Chem Pathol Pharmacol. 1982 Aug;37(2):317-20. PubMed PMID: 6127762.

Piotrowska A, Kwiatkowski K, Rojewska E, Slusarczyk J, Makuch W, Basta-Kaim A, Przewlocka B, Mika J. Direct and indirect pharmacological modulation of CCL2/CCR2 pathway results in attenuation of neuropathic pain - In vivo and in vitro evidence. J Neuroimmunol. 2016 Aug 15;297:9-19. doi: 10.1016/j.jneuroim.2016.04.017. Epub 2016 May 3. PubMed PMID: 27397071.

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