

CL 218872

Chemical Properties

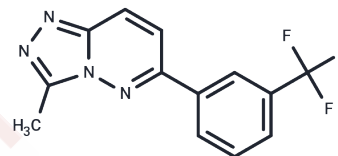
CAS No. : 66548-69-4

Formula: C₁₃H₉F₃N₄

Molecular Weight: 278.23

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	CL 218872 is a benzodiazepine agonist displaying selectivity for α 1 subunit-containing GABAA receptors (K _i values are 130, 1820, 1530, > 10000, 490 and > 10000 nM for α 1, α 2, α 3, α 4, α 5 and α 6-subunit containing receptors respectively). Orally active anxiolytic and anticonvulsant in vivo.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility DMSO: 13.9 mg/mL (49.96 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5941 mL	17.9707 mL	35.9415 mL
5 mM	0.7188 mL	3.5941 mL	7.1883 mL
10 mM	0.3594 mL	1.7971 mL	3.5941 mL
50 mM	0.0719 mL	0.3594 mL	0.7188 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

Wang B , Lv K , Liu H , et al. Contribution of the α 5 GABAA receptor to the discriminative stimulus effects of propofol in rat[J]. Neuroreport, 2018:347-352.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481