CL 218872

Cat. No.: HY-103505

CAS No.: 66548-69-4

Molecular Formula: $C_{13}H_9F_3N_4$

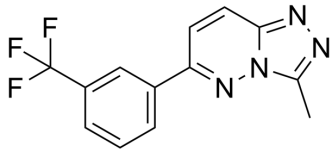
Molecular Weight: 278.23

Target: GABA Receptor

Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (59.91 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CL 218872 is a selective and orally active benzodiazepine of α1 subunit-containing $GABA^A$receptor with a K_i of 130 nM. CL 218872 exerts anxiolytic and anticonvulsant in vivo[1].

REFERENCES

[1]. Squires RF, et al. Some properties of brain specific benzodiazepine receptors: new evidence for multiple receptors. Pharmacol Biochem Behav. 1979 May;10(5):825-30.

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