

LY2033298

Chemical Properties

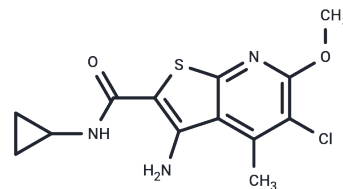
CAS No. : 886047-13-8

Formula: C₁₃H₁₄ClN₃O₂S

Molecular Weight: 311.79

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	LY2033298, a positive allosteric modulator of muscarine M ₄ receptor, enhances the inhibitory effect of oximoline on light-induced phase shift in circadian activity in hamsters and can be used in neurosystem-related diseases.
Targets(IC ₅₀)	AChR
In vivo	The M ₄ positive allosteric modulator, LY2033298 (10-40 mg/kg), had no effect on light-induced phase shifts when administered alone, yet significantly enhanced (at 20 mg/kg) the inhibitory influence of oxotremorine on light-induced phase delays[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (160.36 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2073 mL	16.0364 mL	32.0729 mL
5 mM	0.6415 mL	3.2073 mL	6.4146 mL
10 mM	0.3207 mL	1.6036 mL	3.2073 mL
50 mM	0.0641 mL	0.3207 mL	0.6415 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.

Reference

Gannon RL, et al. LY2033298, a positive allosteric modulator at muscarinic M₄ receptors, enhances inhibition by oxotremorine of light-induced phase shifts in hamster circadian activity rhythms. Psychopharmacology (Berl).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481