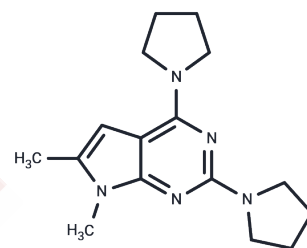


U 89843A

Chemical Properties

CAS No. : 157013-32-6
 Formula: C₁₆H₂₃N₅
 Molecular Weight: 285.39
 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	U 89843A is a positive allosteric modulator of gamma-aminobutyric acid (GABA) _A receptors.
Targets(IC50)	Others,GABA Receptor
In vitro	In the alpha 1 beta 2 gamma 2 subtype of GABA _A receptors expressed in human embryonic kidney cells, U 89843A dose-dependently enhanced 5 microM GABA-induced Cl ⁻ currents with a maximal enhancement of 362 +/- 91%, a half-maximal concentration of 2 +/- 0.4 microM and a slope factor of 1.1 +/- 0.4. U 89843A also inhibited [35S]t-butylbicyclophosphorothionate binding in rat cerebrocortical membranes with a similar half-maximal inhibitory concentration[1].

Solubility Information

Solubility	DMSO: <16.09 mg/mL,Sonication is recommended. H ₂ O: <8.05 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.504 mL	17.5199 mL	35.0398 mL
5 mM	0.7008 mL	3.504 mL	7.008 mL
10 mM	0.3504 mL	1.752 mL	3.504 mL
50 mM	0.0701 mL	0.3504 mL	0.7008 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

Im HK, et al. U-89843A is a novel allosteric modulator of gamma-aminobutyric acidA receptors. J Pharmacol Exp Ther. 1995 Dec;275(3):1390-5.

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:34 Washington Street,Wellesley Hills,MA 02481