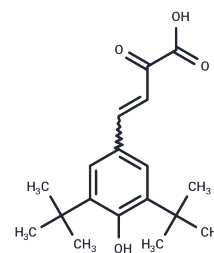


GABAB receptor antagonist 1

Chemical Properties

CAS No. :	797-17-1
Formula:	C ₁₈ H ₂₄ O ₄
Molecular Weight:	304.38
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	(E)-GABAB receptor antagonist 1 decreases GABA-induced IP ₃ (inositol trisphosphate) production with IC ₅₀ of 37.9 μM. GABAB receptor antagonist 1 is a selective and negative allosteric modulator of GABAB (γ-Aminobutyric acid) receptors.
Targets(IC ₅₀)	ERK, GABA Receptor
In vitro	(E)-GABAB receptor antagonist 1 reduces the agonist GABA-induced maximum IP ₃ production in HEK293 cells overexpressing GABAB receptors and [Gqi9] proteins, without affecting the EC ₅₀ .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2854 mL	16.4268 mL	32.8537 mL
5 mM	0.6571 mL	3.2854 mL	6.5707 mL
10 mM	0.3285 mL	1.6427 mL	3.2854 mL
50 mM	0.0657 mL	0.3285 mL	0.6571 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

Chen LH, et al. Discovery of a Negative Allosteric Modulator of GABAB Receptors. ACS Med Chem Lett. 2014 May 27; 5(7):742-7.

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