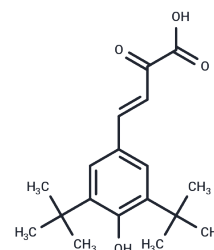


(E)-GABAB receptor antagonist 1

Chemical Properties

CAS No. :	1611483-29-4
Formula:	C ₁₈ H ₂₄ O ₄
Molecular Weight:	304.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(E)-GABAB receptor antagonist 1 is a trans-GABAB receptor antagonist 1. (E)-GABAB receptor antagonist 1 decreases GABA-induced IP3 (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)	GABA Receptor
In vitro	(E)-GABAB receptor antagonist 1 reduces the maximum effect of IP3 in HEK293 cells overexpressing GABAB receptor and Gqi9 protein induced by agonist GABA, but does not alter EC ₅₀ [1].

Solubility Information

Solubility	DMSO: 50 mg/mL (164.27 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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