

Ogerin

Chemical Properties

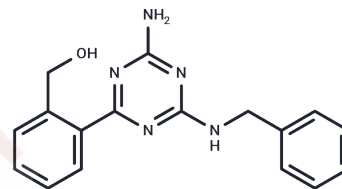
CAS No. : 1309198-71-7

Formula: C₁₇H₁₇N₅O

Molecular Weight: 307.35

Appearance: no data available

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



Biological Description

Description	Ogerin is a selective GPR68 positive allosteric modulator (pEC ₅₀ : 6.83) that blocks recall in fear conditioning in mice. It exhibits inverse agonist and antagonist activity (K _i , 220 nM) at the A ₂ A receptor and weak antagonist activity (K _i , 736 nM) at the 5-HT _{2B} receptor.
Targets(IC ₅₀)	5-HT Receptor, Adenosine Receptor

Solubility Information

Solubility	DMSO: 250 mg/mL (813.40 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2536 mL	16.2681 mL	32.5362 mL
5 mM	0.6507 mL	3.2536 mL	6.5072 mL
10 mM	0.3254 mL	1.6268 mL	3.2536 mL
50 mM	0.0651 mL	0.3254 mL	0.6507 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

Huang XP, et al. Allosteric ligands for the pharmacologically dark receptors GPR68 and GPR65. Nature. 2015 Nov 26;527(7579):477-83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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