Data Sheet (Cat.No.T15737)

TargetMol
YOUR TARGET MOLECULES

Lesogaberan

Chemical Properties

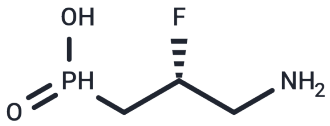
CAS No. : 344413-67-8

Formula: C3H9FNO2P

Molecular Weight: 141.08

Appearance: no data available

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



Biological Description

Description	Lesogaberan is an effective and selective GABAB receptor agonist (EC50: 8.6 nM for human recombinant GABAB receptors). For rat brain GABAB and GABAA receptors, the binding affinity (Kis) is 5.1 nM and 1.4 μM, respectively.
Targets(IC50)	GABA Receptor
In vitro	Lesogaberan (3-30 nM) increases a human islet cell proliferation in vitro[2].
In vivo	Lesogaberan effectively stimulates recombinant human GABAB receptors and inhibits transient lower esophageal sphincter relaxation (TLESR) in dogs, with a biphasic dose-response curve[1]. Lesogaberan (7 μmol/kg) displays high oral availability (88% in the dog and 100% in the rat) and relatively low systemic clearance in female Sprague Dawley rats[1]. Lesogaberan (0.08?mg/mL; 48 hours; p.o.) treatment, protects human islet β-cells from apoptosis in islet grafts in mice[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0882 mL	35.4409 mL	70.8818 mL
5 mM	1.4176 mL	7.0882 mL	14.1764 mL
10 mM	0.7088 mL	3.5441 mL	7.0882 mL
50 mM	0.1418 mL	0.7088 mL	1.4176 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

Lehmann A, et al. (R)-(3-amino-2-fluoropropyl) phosphinic acid (AZD3355), a novel GABAB receptor agonist, inhibits transient lower esophageal sphincter relaxation through a peripheral mode of action. J Pharmacol Exp

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