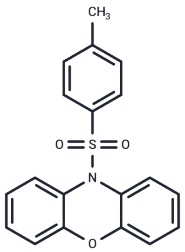
Data Sheet (Cat.No.T12568)

TargetMol

PSB-12062

Chemical Properties



CAS No. : 55476-47-6

Formula: C19H15NO3S

Molecular Weight: 337.39

Appearance: no data available

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

Biological Description

Description	PSB-12062 (N-(p-Methylphenylsulfonyl)phenoxazine) is a potent and selective antagonist of P2X4(IC50 of 1.38 μM for human P2X4).
Targets(IC50)	P2X Receptor
In vitro	PSB-12062 is a selective P2X4 antagonist that was equally potent in all three species (IC (50): 0.928-1.76 μM). The compounds showed an allosteric mechanism of action.

Solubility Information

Solubility	DMSO: 3.37 mg/mL (10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9639 mL	14.8196 mL	29.6393 mL
5 mM	0.5928 mL	2.9639 mL	5.9279 mL
10 mM	0.2964 mL	1.482 mL	2.9639 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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

Hernandez-Olmos V, et al. N-substituted phenoxazine and acridone derivatives: structure-activity relationships of potent P2X4 receptor antagonists. J Med Chem. 2012 Nov 26;55(22):9576-88.

Stokes L, et al. P2X4 Receptor Function in the Nervous System and Current Breakthroughs in Pharmacology.Front Pharmacol. 2017 May 23;8:291.

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