

PSB-12062

Catalog No: tcsc6918



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

55476-47-6

Formula:

$C_{19}H_{15}NO_3S$

Pathway:

Membrane Transporter/Ion Channel

Target:

P2X Receptor

Purity / Grade:

>98%

Solubility:

DMSO : 25 mg/mL (74.10 mM; Need ultrasonic)

Alternative Names:

N-(p-Methylphenylsulfonyl)phenoxazine

Observed Molecular Weight:

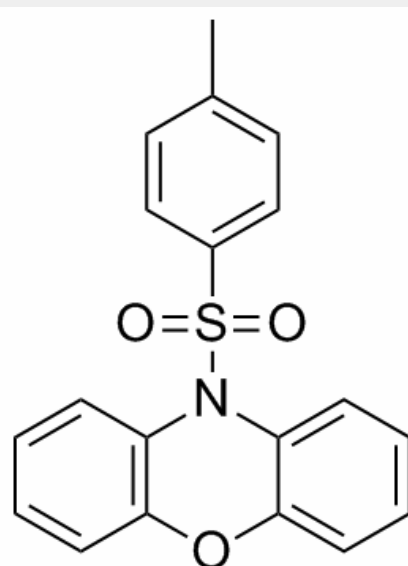
337.39

Product Description

PSB-12062 is a potent and selective **P2X4** antagonist with an **IC₅₀** of 1.38 μ M for human P2X4.

IC50 & Target: IC50: 1.38 μ M (human P2X4), 92.8 nM (rat P2X4), 1.76 μ M (mouse P2X4)^[1]

In Vitro: PSB-12062 shows similar potency in human, rat, and mouse species. PSB-12062 shows to be allosteric in nature with a 35-fold selectivity toward P2X4 versus P2X1, P2X2, P2X3, and P2X7. However, PSB-12062 is unable to completely block ATP-induced P2X4-mediated calcium influx even when used at high concentrations (>30 μ M)^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!