

# A-317491

**Catalog No: tcsc1250**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

475205-49-3

**Formula:**

$C_{33}H_{27}NO_8$

**Pathway:**

Membrane Transporter/Ion Channel;Autophagy

**Target:**

P2X Receptor;Autophagy

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 47$  mg/mL (83.10 mM); H<sub>2</sub>O :

**Observed Molecular Weight:**

565.57

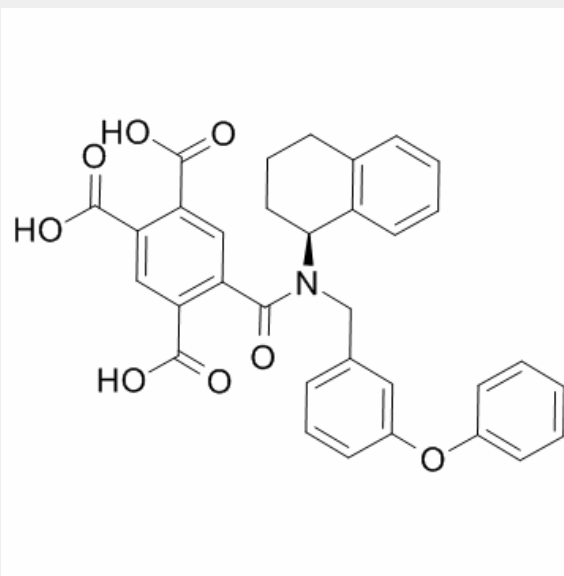
## Product Description

A-317491 is a non-nucleotide P2X<sub>3</sub> and P2X<sub>2/3</sub> receptor antagonist, which inhibits calcium flux mediated by the receptors.

IC<sub>50</sub> value:

Target: P2X2/3

It is known that P2X3 and P2X2/3 receptors stimulate the pronociceptive effects of ATP upon activation. Studies indicate that the P2X3 receptor is implicated in both neuropathic and inflammatory pain. P2X3 receptor is a promising target for therapeutic intervention in cancer patients for pain management.



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