Product Data Sheet

**Product Name:** A-317491 sodium salt hydrate

**CAS No.:**

**Cat. No.:** HY-15568A

**MWt:** 606.57

**Formula:** C33H29NNaO9+

**Purity:** >98%

**Solubility:** H2O: > 50 mg/mL

**Mechanisms:**

Pathways: Membrane Transporter/Ion Channel; Target: P2X Receptor

**Biological Activity:**

A-317491 is a non-nucleotide P2X3 and P2X2/3 receptor antagonist, which inhibits calcium flux mediated by the receptors.

**IC50 value:**

**Target:** P2X2/3 receptor

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.

**References:**


[5]. Maria Cláudia G. Oliveiraa, Adriana Pelegrini-da-Silvaa, et al. Peripheral m...

Caution: Not fully tested. For research purposes only

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