CD BioGlyco
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# Product Information

## A-317491 sodium salt hydrate

**Cat. No.:** X23-12-YM143

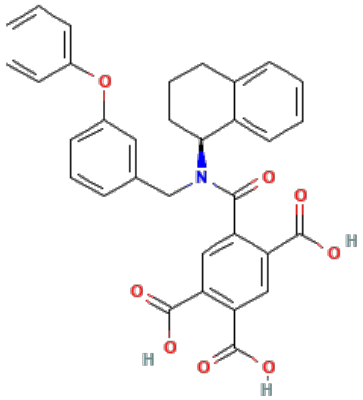
**Size:** 5 mg; 10 mg; 25 mg; 100 mg

**CAS Number:** 475205-49-3

**PubChem CID:** 9829395

**Synonym:** 475205-49-3; A317491

**This product is for research use only and is not intended for diagnostic use.**



## Product Information

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| **Description** | A-317491 sodium salt hydrate, soluble in DMSO and ethanol and insoluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. |
| **Molecular Weight** | 565.57 |
| **Molecular Formula** | $C_{33}H_{27}NO_8$ |
| **IUPAC Name** | 5-[(3-Phenoxyphenyl)methyl-[(1*S*)-1, 2, 3, 4-tetrahydronaphthalen-1-yl]carbamoyl]benzene-1, 2, 4-tricarboxylic acid |
| **InChI** | InChI=1S/C33H27NO8/c35-30(25-17-27(32(38)39)28(33(40)41)18-26(25)31(36)37)34(29-15-7-10-21-9-4-5-14-24(21)29)19-20-8-6-13-23(16-20)42-22-11-2-1-3-12-22/h1-6, 8-9, 11-14, 16-18, 29H, 7, 10, 15, 19H2, (H, 36, 37)(H, 38, 39)(H, 40, 41)/t29-/m0/s1 |
| **InChI Key** | VQGBOYBIENNKMI-LJAQVGFWSA-N |
| **Canonical SMILES** | C1CC(C2=CC=CC=C2C1)N(CC3=CC(=CC=C3)OC4=CC=CC=C4)C(=O)C5=CC(=C(C=C5C(=O)O)C(=O)O)C(=O)O |
| **Isomeric SMILES** | C1C[C@@H](C2=CC=CC=C2C1)N(CC3=CC(=CC=C3)OC4=CC=CC=C4)C(=O)C5=CC(=C(C=C5C(=O)O)C(=O)O)C(=O)O |
| **Form** | Lyophilized powder |
| **Purity** | >98% |
| **Solubility** | DMSO: 90 mg/mL (159.13 mM); Water: insoluble; Ethanol: 90 mg/mL (159.13 mM) |
| **Stability** | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| **Applications** | A-317491 sodium salt hydrate can be used in preclinical studies to investigate the role of P2X3 receptors in pain sensation. |

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|---|---|
| **Storage** | Store at -20℃, and keep desiccated. |

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