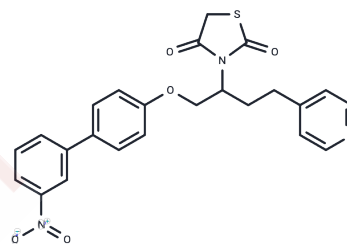


AZ 11645373

Chemical Properties

CAS No. : 227088-94-0
 Formula: C₂₄H₂₁N₃O₅
 Molecular Weight: 463.51
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	AZ 11645373 (3-[1-[[[(3'-NITRO[1,1'-BIPHENYL]-4-YL)OXY]METHYL]-3-(4-PYRIDINYL)PROPYL]-2,4-THIAZOLIDINEDIONE) is a highly selective and potent human P2X7 receptor antagonist that has no effect on mouse/rat P2X7 receptor.
Targets(IC50)	P2X Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (21.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1575 mL	10.7873 mL	21.5745 mL
5 mM	0.4315 mL	2.1575 mL	4.3149 mL
10 mM	0.2157 mL	1.0787 mL	2.1575 mL
50 mM	0.0431 mL	0.2157 mL	0.4315 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Characterization of a selective and potent antagonist of human P2X(7) receptors, AZ11645373.[J]. British Journal of Pharmacology, 2010, 149(7).

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