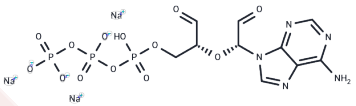
Data Sheet (Cat.No.T78639)

TargetMol

Oxidized ATP trisodium salt

Chemical Properties



CAS No. : 71997-40-5

Formula: C10H11N5Na3O13P3

Molecular Weight: 571.11

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	Oxidized ATP trisodium salt (oATP) is a broad-spectrum P2 receptor inhibitor that irreversibly antagonizes P2X7R activation and inhibits CRP-induced NLRP3 inflammasome activation, making it useful in atherosclerosis research [1] [2].
Targets(IC50)	NOD-like Receptor (NLR),P2X Receptor
In vitro	Oxidized ATP trisodium salt at a concentration of 100 μM for 1 hour inhibits the activation of caspase-1 and the maturation of IL-1β induced by CRP at 20 μg/mL for 24 hours in HUVECs [1].
In vivo	Oxidized ATP trisodium salt (300 μg/mouse, i.p., twice a week) mitigates experimentally induced autoimmune uveitis (EAU) in B6 mice [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.751 mL	8.7549 mL	17.5098 mL
5 mM	0.3502 mL	1.751 mL	3.502 mL
10 mM	0.1751 mL	0.8755 mL	1.751 mL
50 mM	0.035 mL	0.1751 mL	0.3502 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.

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