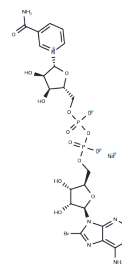


8-bromo NAD⁺ sodium

Chemical Properties

CAS No. :	2022926-16-3
Formula:	C ₂₁ H ₂₅ BrN ₇ O ₁₄ P ₂ .Na
Molecular Weight:	764.30
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	8-Bromo NAD ⁺ serves as a prodrug for the cyclic ADP-ribose (cADPR) inhibitor, 8-bromo cADPR, undergoing conversion to its active form by the enzyme CD38. At a concentration of 1 mM, it effectively inhibits the rise in intracellular calcium levels and chemotaxis triggered by N-formyl-Met-Leu-Phe (fMLP) in mouse bone marrow-derived neutrophils. Furthermore, when applied at 100 μM, this compound reduces LPS-induced nitrite production and decreases the secretion of TNF-α and IL-2 in mouse primary microglial cells.
Targets(IC50)	Others, Calcium Channel

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3084 mL	6.5419 mL	13.0839 mL
5 mM	0.2617 mL	1.3084 mL	2.6168 mL
10 mM	0.1308 mL	0.6542 mL	1.3084 mL
50 mM	0.0262 mL	0.1308 mL	0.2617 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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