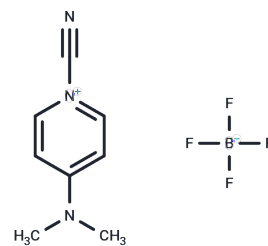


CDAP

Chemical Properties

CAS No. :	59016-56-7
Formula:	C ₈ H ₁₀ BF ₄ N ₃
Molecular Weight:	234.99
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	CDAP is a cyanation reagent commonly used to modify protein thiols, and it can also be used to prepare protein-polysaccharide conjugates and activate polysaccharides in vaccine preparation.
Targets(IC50)	Others
In vitro	The organic cyanating agent 1-cyano-4-dimethylaminopyridinium tetrafluoroborate (CDAP) can be used to activate polysaccharides in water, which can then be reacted with hexamethylenediamine to prepare protein-polysaccharide conjugates. CDAP can be used to activate polysaccharides of different chemical natures, including dextran and pneumococcal types 6, 14, 19, and 23. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (340.44 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	4.2555 mL	21.2775 mL	42.555 mL
5 mM	0.8511 mL	4.2555 mL	8.511 mL
10 mM	0.4256 mL	2.1278 mL	4.2555 mL
50 mM	0.0851 mL	0.4256 mL	0.8511 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

Lees A, et al. Activation of soluble polysaccharides with 1-cyano-4-dimethylaminopyridinium tetrafluoroborate for use in protein-polysaccharide conjugate vaccines and immunological reagents. Vaccine. 1996 Feb;14(3):190-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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