Data Sheet (Cat.No.T16239)



N-Methylisatoic anhydride

Chemical Propert	ies	
CAS No. :	10328-92-4	0
Formula:	C9H7NO3	
Molecular Weight:	177.16	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	CH ₃

Biological Description

Description	N-Methylisatoic anhydride is a 2'-OH selective acylation agent of RNAs. It is also widely used for resolving secondary RNA structures using the SHAPE technology.
Targets(IC50)	Others

Solubility Information	
Solubility	DMSO: 60 mg/mL (338.68 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6446 mL	28.2231 mL	56.4462 mL
5 mM	1.1289 mL	5.6446 mL	11.2892 mL
10 mM	0.5645 mL	2.8223 mL	5.6446 mL
50 mM	0.1129 mL	0.5645 mL	1.1289 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.

Reference

Ursuegui S, et al. Biotin-conjugated N-methylisatoic anhydride: a chemical tool for nucleic acid separation by selective 2'-hydroxyl acylation of RNA. Chem Commun (Camb). 2014 Jun 1;50(43):5748-51.

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