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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