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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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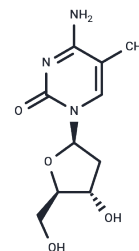
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5-Methyl-2'-deoxycytidine

Chemical Properties

CAS No. :	838-07-3
Formula:	C ₁₀ H ₁₅ N ₃ O ₄
Molecular Weight:	241.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5-Methyl-2'-deoxycytidine (5MedCyd) is a pyrimidine nucleoside that when incorporated into single-stranded DNA can act in cis to signal de novo.
Targets(IC50)	DNA Methyltransferase, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 48 mg/mL (198.97 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1452 mL	20.7262 mL	41.4525 mL
5 mM	0.829 mL	4.1452 mL	8.2905 mL
10 mM	0.4145 mL	2.0726 mL	4.1452 mL
50 mM	0.0829 mL	0.4145 mL	0.829 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

Testillano P S , Solís, María-Teresa, Risueño, María C. The 5-methyl-deoxy-cytidine (5mdC) localization to reveal in situ the dynamics of DNA methylation chromatin pattern in a variety of plant organ and tissue cells during

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