Data Sheet (Cat.No.T7466)



5-Bromocytosine

Chemical Properties

CAS No.: 2240-25-7

Formula: C4H4BrN3O

Molecular Weight: 190

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	5-Bromocytosine can be used in the synthesis of cross-link products under anaerobic and aerobic conditions.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.5 mg/mL (13.16 mM),Sonication is recommended.
⊗	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2632 mL	26.3158 mL	52.6316 mL
5 mM	1.0526 mL	5.2632 mL	10.5263 mL
10 mM	0.5263 mL	2.6316 mL	5.2632 mL
50 mM	0.1053 mL	0.5263 mL	1.0526 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

Hong, Wang H. Formation of intrastrand cross-link products between cytosine and adenine from UV irradiation of d((Br)CA) and duplex DNA containing a 5-bromocytosine[J]. Journal of the American Chemical Society, 2005, 127

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