Data Sheet (Cat.No.T35363)



HM-cytosine

Chemical Properties

CAS No.: 1123-95-1

Formula: C5H7N3O2

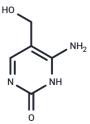
Molecular Weight: 141.13

Appearance: no data available

store at low temperature, keep away from direct

Storage: sunlight, store under nitrogen

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



Biological Description

Description	HM-cytosine (5hmC) is a naturally occurring component of mammalian genomic DNA and is thought to be the sixth base of DNA [1]. HM-cytosine is an intermediate metabolite for demethylation of active DNA [2]. HM-cytosine is an ep		
Targets(IC50)	Others		

Solubility Information

Solubility	DMSO: 5 mg/mL (35.43 mM)
	(< 1 mg/ml refers to the product slightly so <mark>luble or</mark> insoluble)

Preparing Stock Solutions

		1mg	5mg	10mg
(O)	1 mM	7.0857 mL	35.4283 mL	70.8567 mL
	5 mM	1.4171 mL	7.0857 mL	14.1713 mL
	10 mM	0.7086 mL	3.5428 mL	7.0857 mL
	50 mM	0.1417 mL	0.7086 mL	1.4171 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

Ke Fang, et al. [Advances on the profiling of 5-hydroxymethylcytosine]. Yi Chuan. 2016 Mar;38(3):206-16. Jesús Rafael Rodríguez-Aguilera, et al. Genome-wide 5-hydroxymethylcytosine (5hmC) emerges at early stage of

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