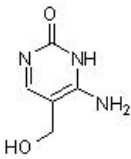


Product datasheet

5-hmC (5-Hydroxymethylcytosine), DNA pyrimidine nitrogen base ab146141

1 Image

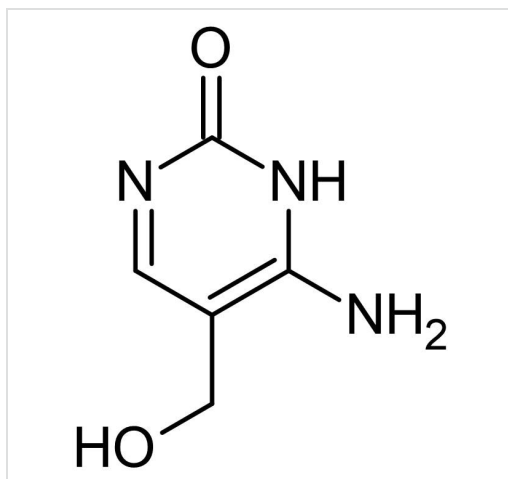
Overview

Product name	5-hmC (5-Hydroxymethylcytosine), DNA pyrimidine nitrogen base
Description	Novel DNA pyrimidine nitrogen base
Biological description	Novel DNA pyrimidine nitrogen base. Initiates DNA demethylation. 5-Methylcytosine (ab145606) oxidation product. Epigenetic modifier <i>in vivo</i> .
CAS Number	1123-95-1
Chemical structure	

Properties

Chemical name	6-Amino-5-(hydroxymethyl)-1 <i>H</i> -pyrimidin-2-one
Molecular weight	141.13
Molecular formula	C ₅ H ₇ N ₃ O ₂
PubChem identifier	70751
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	C1=NC(=O)NC(=C1CO)N
Source	Synthetic

Images



Chemical Structure - 5-hmC (5-Hydroxymethylcytosine), DNA pyrimidine nitrogen base (ab146141)

2D chemical structure image of ab146141, 5-hmC (5-Hydroxymethylcytosine), DNA pyrimidine nitrogen base

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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