
Product Data Sheet

Product Name: 5'-Cytidylic acid

Cat. No.: GC38358

Chemical Properties

Cas. No. 63-37-6

SMILES O=P(O)(OC[C@@H]1[C@H]([C@H]([C@H](N2C(N=C(C=C2)N)=O)O1)O)O)OFormula C9H14N3O8P M.Wt 323.2

Solubility	< 1 mg/ml in DMSO (insoluble or slightly soluble); 18.33 mg/ml in water (Need ultrasonic)	Storage	Store at -20°C, protect from light
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Cytidine 5'-monophosphate (CMP) is a pyrimidine nucleotide.¹ It is used in the synthesis of RNA and can be further phosphorylated to form cytidine 5'-diphosphate (CDP) and cytidine 5'-triphosphate (CTP). CMP is also an intermediate in the synthesis of phospholipids.

1. Berg, J.M., Tymoczko, J.L., and Stryer, L. Biochemistry (2002)

Caution: Product has not been fully validated for medical applications. For research use only.

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