Creative Enzymes®

2'-Deoxycytidine 5'-monophosphate sodium salt

Cat. No. CSUB-0645

Lot. No. (See product label)

Introduction

Description	2'-Deoxycytidine 5'-monophosphate (dCMP) is used as a substrate of uridine monophosphate (UMP)/cytidine monophosphate (CMP) kinase (EC 2.7.4.4) to form dCDP which upon phosphorylation to dCTP supports DNA and RNA biosynthesis.
Applications	Used as a substrate of UMP or CMP kinase to form dCDP
Synonyms	Deoxycytidylic acid; dCMP

Product Information

Form	Solid
CAS No.	13085-50-2
Molecular Formula	C9H12N3O7PNa2
Molecular Weight	351.16
Purity	>98%
Solubility	Soluble in 200 mg plus 4 mL Water
Substrates	Guanylate kinases

Storage and Shipping Information

Storage	Store at -20° C