

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