

## 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

C<sub>9</sub>H<sub>12</sub>N<sub>3</sub>O<sub>7</sub>PNa<sub>2</sub>

#### 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