

(d)CMP kinase

Cat. No. EXWM-3207

Lot. No. (See product label)

Introduction

Description The prokaryotic cytidine monophosphate kinase specifically phosphorylates CMP (or dCMP), using ATP as the preferred phosphoryl donor. Unlike EC 2.7.4.14, a eukaryotic enzyme that phosphorylates UMP and CMP with similar efficiency, the prokaryotic enzyme phosphorylates UMP with very low rates, and this function is catalysed in prokaryotes by EC 2.7.4.22, UMP kinase. The enzyme phosphorylates dCMP nearly as well as it does CMP.

Synonyms prokaryotic cytidylate kinase; deoxycytidylate kinase; dCMP kinase; deoxycytidine monophosphokinase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.4.25

Reaction $\text{ATP} + (\text{d})\text{CMP} = \text{ADP} + (\text{d})\text{CDP}$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.