

Deoxycytidine Kinase, Human

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Deoxycytidine Kinase, Human (EC 2.7.1.74) acts as the rate-limiting enzyme in the de novo synthesis pathway. It facilitates the uptake of extracellular deoxyribonucleosides, necessary for intracellular deoxyribonucleotide metabolism. Within the cell, it operates as a dimer to phosphorylate deoxycytidine (its primary substrate), deoxyadenosine, and deoxyguanosine, and it can activate various nucleoside analogs.
Targets(IC50)	Endogenous Metabolite

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