Decoyinine

GMP synthase inhibitor

Decoyinine is a non-competitive and reversible inhibitor of GMP synthase. GMPS was shown to be a positive regulator of invasiveness in melanoma cells and decoyinine reduced invasion of melanoma cells by 30%. Decoyinine reduces intracellular levels of GMP, GDP and GTP. Numerous studies of decoyinine in bacteria have been performed showing that guanylates play key roles in bacterial growth, cell wall biosynthesis, sporulation, and pathogenicity.

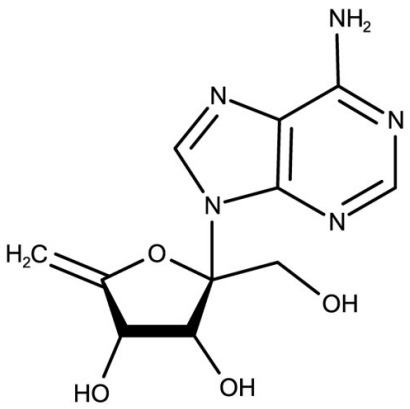
Ordering Information

Order Online »

ENZ-CHM470-0005	5mg

Manuals, SDS & CofA

View Online »


NH2
N
N
N
N
H2C
O
OH
HO
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4',5'-Didehydro-1'-C-(hydroxymethyl)-adenosine
Appearance	Off-white solid.
CAS	2004-04-8
Couple Target	GMP synthase
Couple Type	Inhibitor
Formula	$C_{11}H_{13}N_5O_4$
Identity	Determined by NMR.
MW	279.26
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (50 mg/ml) or water (25 mg/ml).

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