

Pentostatin

Catalog No: tcsc0374



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

53910-25-1

Formula:

$C_{11}H_{16}N_4O_4$

Pathway:

Metabolic Enzyme/Protease

Target:

Adenosine Deaminase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 50 mg/mL (186.38 mM)

Alternative Names:

CI-825;Deoxycoformycin

Observed Molecular Weight:

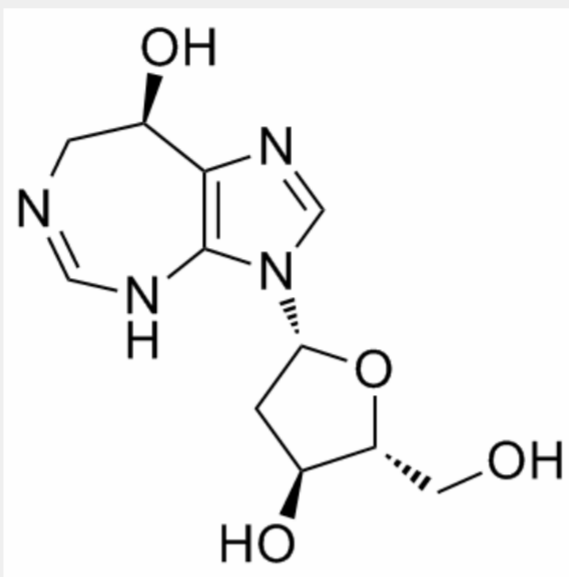
268.27

Product Description

Pentostatin is an irreversible inhibitor of **adenosine deaminase** with K_i of 2.5 pM.

IC50 & Target: Ki: 2.5 pM (adenosine deaminase)

In Vivo: In ECP and Pentostatin (4 mg/m², i.v.) treatment, all dogs develop granulocytopenia with [1]. Pentostatin (2 mg/kg) in combination with cordycepin (2 mg/kg) is 100% effective in the *T. evansi*-infected mice. There is an increase in levels of some biochemical parameters, especially on liver enzymes, which are accompanied by histological lesions in the liver and kidneys. Pentostatin individually has no curative effect on infected groups^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!