

Penciclovir

Catalog No: tcsc1355



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

39809-25-1

Formula:

$C_{10}H_{15}N_5O_3$

Pathway:

Anti-infection

Target:

HSV

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 53 mg/mL (209.27 mM)

Alternative Names:

BRL 39123;VSA 671

Observed Molecular Weight:

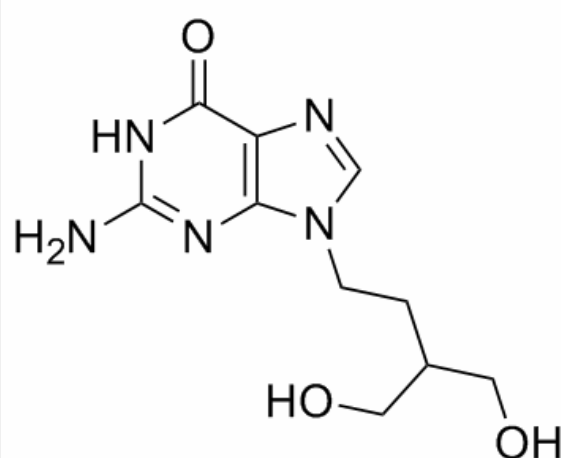
253.26

Product Description

Penciclovir is reported to be potent against **HSV** types 1 and 2 with **IC₅₀** of 0.04-1.8 μ g/mL and 0.06-4.4 μ g/mL, respectively.

IC50 & Target: IC50: 0.04-1.8 µg/mL (HSV-1), 0.06-4.4 µg/mL (HSV-2), 1.6-8 µg/mL (VZV), 1.5-3.1 µg/mL (EBV), 51 µg/mL (HCMV)^[1]

In Vitro: Penciclovir inhibits herpes simplex virus type 1 (HSV-1) and type 2 (HSV-2), varicella-zoster virus (VZV), epstein-Barr virus (EBV), human cytomegalovirus (HCMV) with IC₅₀ of 0.04-1.8 µg/mL, 0.06-4.4 µg/mL, 1.6-8 µg/mL, 1.5-3.1 µg/mL, 51 µg/mL, respectively. Penciclovir (PCV) is an acyclic guanine derivative (which is not commercially available as an oral agent), has a spectrum of activity and a mechanism of action similar to those of acyclovir (ACV)^[1].



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