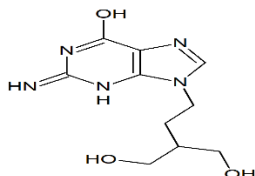


Penciclovir

ALTERNATE NAME: 2-amino-1,9-dihydro-9-[4-hydroxy-3-(hydroxymethyl)butyl]-6H-purin-6-one
BRL 39123

CATALOG #: B2704-50 50 mg
B2704-250 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₀H₁₅N₅O₃

MOLECULAR WEIGHT: 253.26

CAS NUMBER: 39809-25-1

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: ~0.33 mg/ml DMSO

DESCRIPTION: Penciclovir is a synthetic acyclic guanine derivative with antiviral activity used for the treatment of various herpes simplex virus (HSV) infections. It displays activity against multiple laboratory and clinical isolate strains of herpes simplex virus 1 (HSV-1), HSV-2, and varicella zoster virus (VZV) in a plaque reduction assay (IC₅₀s = 0.4-3.1 µg/ml). Penciclovir inhibits HSV-1 and HSV-2 replication (IC₉₉s = 0.4 and 0.7 µg/ml, respectively) and DNA synthesis (IC₅₀ = 0.04 µg/ml) in MRC-5 cells. It was found to not inhibit SARS-CoV-2 *in vitro*.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Pritelivir mesylate (B2154)
Acyclovir (2200)
Valacyclovir Hydrochloride Hydrate (2201)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***