

# Famciclovir

## Catalog No: tcsc1357



### Available Sizes

**Size:** 50mg

**Size:** 100mg



### Specifications

**CAS No:**

104227-87-4

**Formula:**

$C_{14}H_{19}N_5O_4$

**Pathway:**

Anti-infection

**Target:**

HSV

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : 50 mg/mL (155.60 mM; Need ultrasonic); DMSO : ≥ 100 mg/mL (311.21 mM)

**Alternative Names:**

BRL 42810

**Observed Molecular Weight:**

321.33

## Product Description

Famciclovir(BRL 42810) is a guanine analogue antiviral drug used for the treatment of various herpesvirus infections.

IC50 Value: Refer to penciclovir

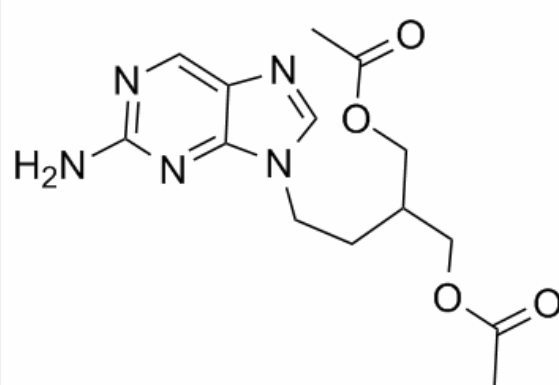
Target: HSV

Famciclovir is the diacetyl 6-deoxy analog of the active antiviral compound penciclovir with potential use in the treatment of infections caused by the herpes family of viruses [1]. Famciclovir, a synthetic acyclic guanine derivative, is a prodrug which, after oral administration, is rapidly metabolised to the highly bioavailable antiviral compound penciclovir [2].

in vitro: Famciclovir induced rapid, dose-dependent suppression of viral replication and reduction in alanine aminotransferase (ALT), with greatest efficacy in the 500-mg tid treatment group. HBV DNA reduction was maintained throughout the treatment period. ALT also steadily declined during the treatment period [3].

in vivo: In rat, following dosing at 40 mg/kg, famciclovir was rapidly and extensively metabolized to the active antiviral compound penciclovir, which reached peak concentrations in the plasma (mean 3.5 micrograms/ml) at 0.5 h [4]. Necrotic hepatitis was significantly (p

Clinical trial: Famciclovir Pediatric Formulation In Children 1 to 12 Years Of Age With Herpes Simplex Infection. Phase3



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