Catalog # 10-4430

Pritelivir

CAS# 348086-71-5

N-Methyl-N-(4-methyl-5-sulfamoyl-1,3-thiazol-2-yl)-2-(4-pyridin-2-ylphenyl)acetamide; BAY 57-1293

Lot # FBS4060

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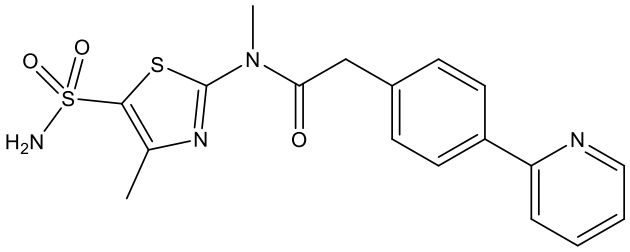

Pritelivir is a potent non-nucleosidic inhibitor of the herpes simplex virus helicase-primase (IC_{50} = 20 nM HSV1/2).[1] Active against acyclovir-resistant HSV. Pritelivir showed superior efficacy against HSV *in vivo* compared to acyclovir, famiciclovir, ganciclovir, and valacyclovir.[2] It greatly reduced the formation of ß-amyloid and abnormal tau in HSV1 infected cultured cells.[3]

1) Kleyman *et al.* (2002), *New helicase-primase inhibitors as drug candidates for the treatment of herpes simplex disease*; Nat. Med. **8** 392
2) Betz *et al*. (2002), *Potent In Vivo Activity of the Herpes Simplex Virus Primase-Helicase Inhibitor BAY 57-1293*; Antimicrob. Agents Chemother. **46** 1766
3) Wozniak *et al*. (2013), *The helicase-primase inhibitor BAY 57-1293 reduces the Alzheimer's disease-related molecules induced by herpes simplex virus type 1*; Antiviral Res. **99** 401

PHYSICAL DATA

Molecular Weight:	402.49
Molecular Formula:	$C_{18}H_{18}N_4O_3S_2$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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