Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Temsavir

Catalog No: tcsc0938

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
701213-36-7

Formula:
$C_{24}H_{23}N_7O_4$

Pathway:
Anti-infection

Target:
HIV

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 16.67 mg/mL (35.21 mM)

Alternative Names:
BMS-626529

Observed Molecular Weight:
473.48

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Product Description

Temsavir (BMS-626529) is a novel attachment inhibitor that targets **HIV-1** gp120 and prevents its binding to $CD4^+$ T cells.

IC50 & Target: HIV-1[1]

In Vitro: Temsavir has half-maximal effective concentration (EC_{50}) values of 50 against LAI virus of 0.7±0.4 nM. Temsavir exhibits an EC_{50} of 0.01 nM against the most susceptible virus and an EC_{50} of >2,000 nM against the least susceptible virus. The cytotoxicity profile of Temsavir is examined in several cell types from different human tissues. CC_{50} values of >200 μM are observed in MT-2 (T lymphocytes), HEK293 (kidney), HEp-2 (larynx), HepG2 (liver), HeLa (cervix), HCT116 (colorectal), MCF-7 (breast), SK-N-MC (neuroepithelium), HOS (bone), H292 (lung), and MDBK (bovine kidney) cells measured after 3 or 6 days in culture. CC_{50} values of 105 and 192 μM are obtained in the T-cell line PM1 and in PBMCs, respectively, following 6 days in culture. These results show that Temsavir exhibits low cytotoxicity in cell culture[1]. Temsavir exhibits a broad spectrum of antiviral activity against a panel of clinical isolates, with a 50% inhibitory concentration (IC_{50}) ranging from subnanomolar levels to >0.1 μM[2].