Web: www.taiclone.com
Tel: +886-2-2735-9682
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# 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].