

# 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 :  $\geq 16.67$  mg/mL (35.21 mM)

**Alternative Names:**

BMS-626529

**Observed Molecular Weight:**

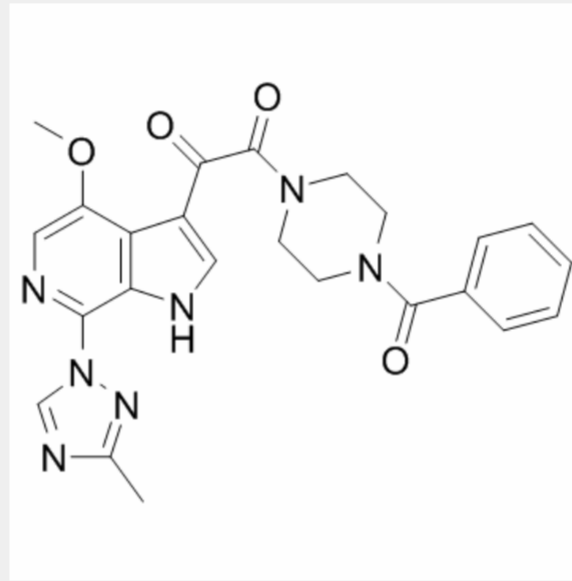
473.48

## Product Description

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

IC<sub>50</sub> & Target: HIV-1<sup>[1]</sup>

**In Vitro:** Temsavir has half-maximal effective concentration (EC<sub>50</sub>) values of 50 against LAI virus of 0.7±0.4 nM. Temsavir exhibits an EC<sub>50</sub> of 0.01 nM against the most susceptible virus and an EC<sub>50</sub> 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<sub>50</sub> 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<sub>50</sub> 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<sup>[1]</sup>. Temsavir exhibits a broad spectrum of antiviral activity against a panel of clinical isolates, with a 50% inhibitory concentration (IC<sub>50</sub>) ranging from subnanomolar levels to >0.1 μM<sup>[2]</sup>.



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