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

Maribavir

Catalog No: tcsc2846

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
176161-24-3

Formula:
$C_{15}H_{19}Cl_2N_3O_4$

Pathway:
Anti-infection

Target:
CMV

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 51 mg/mL (135.55 mM)

Alternative Names:
1263W94;BW1263W94;GW257406X

Observed Molecular Weight:
376.24

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

Product Description

Maribavir is a potent inhibitor of histone phosphorylation catalyzed by wild-type pUL97 in vitro, with an **IC_{50}** of 3 nM. Maribavir has potent antiviral activity against **HCMV** and Epstein-Barr virus (**EBV**).

IC50 & Target: HCMV[1]

In Vitro: Maribavir is a potent inhibitor of the autophosporylation of the wild type and all the major Ganciclovir (GCV) resistant UL97 mutants analysed with a mean IC_{50} of 35 nM. The M460I mutation results in hypersensitivity to Maribavir with an IC_{50} of 4.8 nM. A Maribavir resistant mutant of UL97 (L397R) is functionally compromised as both a Ganciclovir kinase and a protein kinase (~ 10% of wild type levels). Enzyme kinetic experiments demonstrate that Maribavir is a competitive inhibitor of ATP with a K_i of 10 nM[1]. Maribavir (1263W94) inhibits viral replication in a dose-dependent manner, with IC_{50} of 0.12±0.01 μM as measured by a multicycle DNA hybridization assay. The pUL97 protein kinase is strongly inhibited by Maribavir, with 50% inhibition occurring at 3 nM[2].