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

Ribavirin

Catalog No: tcsc2540

Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
36791-04-5

Formula:
$C_8H_{12}N_4O_5$

Pathway:
Anti-infection;Anti-infection

Target:
RSV;HCV

Purity / Grade:
>98%

Solubility:
H2O : ≥ 83.3 mg/mL (341.11 mM)

Alternative Names:
ICN-1229

Observed Molecular Weight:
244.2

Product Description

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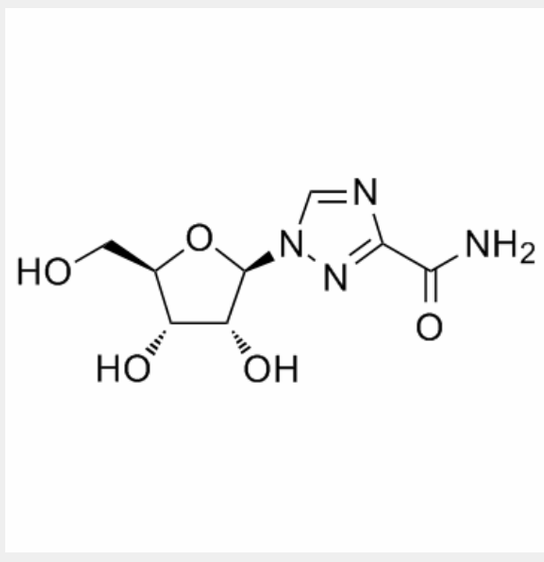
Ribavirin is an **antiviral** agent against a broad spectrum of viruses including **HCV**, **HIVI**, and **RSV**.

In Vitro: Ribavirin (5, 10 and 20 μM) does not produce any significant effect on neither cell viability nor nitrites level in non-stimulated microglia. Treatment

of LPS-stimulated microglia with 5, 10 and 20 μM Ribavirin induces reduction of NO_2 levels for 43% (p[3]. Ribavirin is active against DENV, with an EC_{50} of 3 μM in A549 cells, and combination of CM-10-18 with ribavirin demonstrates a clear enhancement in the reduction of virus replication[4].

In Vivo: ALT, AST activities and bilirubin levels are significantly loared by administration of JAT in combination with interferon and ribavirin (p4, livers appear to exhibit some liver protection against CCl_4 as evident by the presence of normal hepatic cords, absence of necrosis and lesser fatty infiltration. Groups treated with JAT, Peg-interferon and ribavirin separately or in combination shows reduction in the expression of TGF- β and Bax. In the group treated by triple combination of interferon, ribavirin, and JAT, the expression level of p53 is markedly reduced[1]. Ribavirin capsules (400 mg of ribavirin)-treated Wistar rats show a significant decrease in activin-A and significant increase in follistatin at the serum and liver levels. Ribavirin has strong antiviral activity only when ribavirin is combined with either IFN-α or Peg-IFN-α[2]. Ribavirin (40 mg/kg, p.o.) significantly improves the antiviral efficacy of CM-10-18 in mice. Ribavirin inhibits DENV virus infection in cultured cells, but it is ineffective in reducing viremia in monotherapy[4].



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