

Product Information

Product ID R3205

CAS No. 36791-04-5

Chemical Name 1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide

Synonym Copegus, Ribamidil, RTCA, Varazid, Virazole

Formula C₈H₁₂N₄O₅

Formula Wt. 244.21

Melting Point 166-168 °C

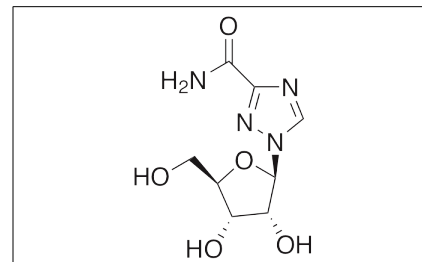
Purity ≥98%

Solubility Soluble in water (20 mg/mL), DMSO (49 mg/mL).

Store Temp 4 °C

Ship Temp Ambient

Description Ribavirin is a purine nucleoside derivative that exhibits antiviral and anti-inflammatory activities. This compound displays broad spectrum antiviral activity but is most often clinically used in conjunction with IFN to treat hepatitis C infection. In macrophages, ribavirin decreases NO levels.



Bulk quantities available upon request

Product ID	Size
R3205	25 mg
R3205	50 mg
R3205	100 mg
R3205	500 mg

References Pinilla-Macua I, Fernández-Calotti P, Pérez-Del-Pulgar S, et al. Ribavirin Uptake into Human Hepatocyte HHL5 Cells Is Enhanced by Interferon-α via up-Regulation of the Human Concentrative Nucleoside Transporter (hCNT2). *Mol Pharm.* 2014 Sep 2;11(9):3223-30. PMID: 24957263.

Parekh PJ, Shiffman ML. The role of interferon in the new era of hepatitis C treatments. *Expert Rev Gastroenterol Hepatol.* 2014 Aug;8(6):649-56. PMID: 24758387.

Wohl BM, Smith AA, Kryger MB, et al. Narrow therapeutic window of ribavirin as an inhibitor of nitric oxide synthesis is broadened by macromolecular prodrugs. *Biomacromolecules.* 2013 Nov 11;14(11):3916-26. PMID: 24156371.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.