



LKT Laboratories, Inc.

## Ribavirin

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### 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** C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>5</sub>

**Formula Wt.** 244.21

**Melting Point** 166-168 °C

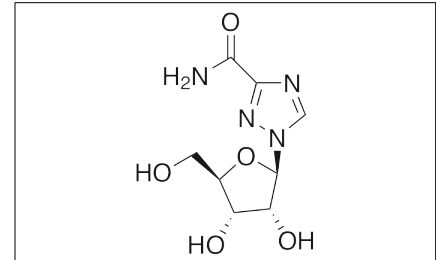
**Purity** ≥98%

**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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
R3205	25 mg	\$55.10
R3205	50 mg	\$70.80
R3205	100 mg	\$92.60
R3205	500 mg	\$150.50

**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.