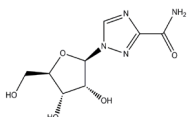


PRODUCT: RibavirinALTERNATE NAME: 1- β -D-Ribofuranosyl-1*H*-1,2,4-triazole-3-carboxamide

CATALOG #: 2199-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:

MOLECULAR FORMULA: C₈H₁₂N₄O₅

MOLECULAR WEIGHT: 244.20

CAS NUMBER: 36791-04-5

APPEARANCE: White solid

SOLUBILITY: H₂O (100 mM) or DMSO (100 mM)PURITY: \geq 98% by HPLC

STORAGE:

DESCRIPTION:

Store at -20 °C. Protect from air and moisture

Ribavirin is a nucleoside analog that inhibits the replication of both DNA and RNA viruses, including influenza type A and type B. Ribavirin, as ribavirin 5'-phosphate, affects virus-infected cells primarily by inhibiting the enzyme inosine 5'-monophosphate (IMP) dehydrogenase. It potently suppresses eIF4E-mediated oncogenic transformation of murine cells in vitro, of tumor growth of a mouse model of eIF4E-dependent human squamous cell carcinoma in vivo, and of colony formation of eIF4E-dependent acute myelogenous leukemia cells derived from human patients. However, it appears completely inactive in vitro against coronaviruses possibly as a result of nsp14 exonuclease activity. It also appeared ineffective in treating of SARS-CoV.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**

RELATED PRODUCTS: