

Product Information

Dehydrogenase inhibitor, Taribavirin hydrochloride, Purity $\geq 98\%$

Cat. No.: X24-09-YM220

Size: 1 mg; 2 mg; 5 mg; 50 mg

CAS Number: 40372-00-7

Compound CID: 451447

Synonym: 40372-00-7; Taribavirin HCl; Viramidine hydrochloride; Ribavirin amidine;

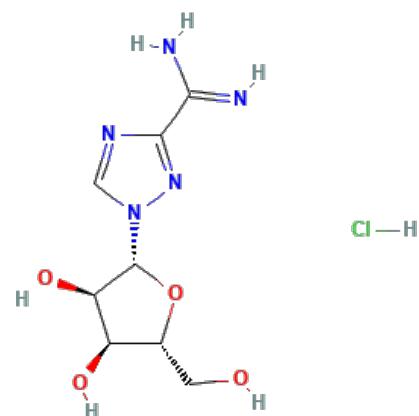
Viramidine; Taribavirin (hydrochloride); Ribamidine hydrochloride;

1-[(2*R*,3*R*,4*S*,5*R*

)-3,4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-1,2,4-triazole-3-carboximidamide;

hydrochloride; Dehydrogenase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

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| Description | Taribavirin hydrochloride is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting dehydrogenases. The molecular weight of the compound is 279.68, and its molecular formula is C ₈ H ₁₄ ClN ₅ O ₄ . |
| Molecular Weight | 279.68 |
| Molecular Formula | C ₈ H ₁₄ ClN ₅ O ₄ |
| IUPAC Name | 1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3,4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-1,2,4-triazole-3-carboximidamide;hydrochloride |
| InChI | InChI=1S/C8H13N5O4.ClH/c9-6(10)7-11-2-13(12-7)8-5(16)4(15)3(1-14)17-8;/h2-5,8,14-16H,1H2,(H 3,9,10);1H/t3-,4-,5-,8-;/m1./s1 |
| InChI Key | PIGYMBULXKLTCJ-UHSSARMYSA-N |
| Canonical SMILES | C1=NC(=NN1C2C(C(C(O2)CO)O)O)C(=N)N.Cl |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Impurities | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects. |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | In its lyophilized form, the chemical remains stable for 36 months. |
| Quality Level | Research grade |
| Applications | Taribavirin hydrochloride can be studied extensively for its potential therapeutic applications in the |



treatment of viral infections, particularly hepatitis C.

Storage

Store at -20°C, and keep desiccated.
