

N4-Hydroxycytidine, Novel antiviral

Catalog	Unit
TBI3970-5MG	5 mg
TBI3970-25MG	25 mg

Product Details

Formal Name: 1-[(2R,3R,4S,5R)-3,4-Dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-4-(hydroxyamino)pyrimidin-2-one

Alternate Names: beta-D-N4-hydroxycytidine; EIDD-1931

Molecular Formula: C₉H₁₃N₃O₆

Formula Weight: 259.22

CAS Number: 3258-02-4

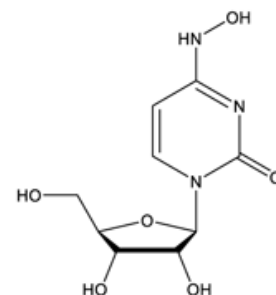
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 15 mg/ml with warming).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Novel antiviral

Functions

N4-Hydroxycytidine was originally identified as a mutagen effecting AT to GC base-pair transitions. It has also been found to have antiviral properties against a broad range of viruses including hepatitis C, norovirus, Ebola virus, Chikungunya virus, influenza and respiratory syncytial viruses, and importantly, coronaviruses. N4-hydroxycytidine is the active molecule in the antiviral pro-drug clinical candidate EIDD-2801 (MK-4482, Molnupiravir).

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 15 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 3 months.

For research use only.