

## PAN endonuclease-IN-2

## Chemical Properties

CAS No. :

Formula: C<sub>25</sub>H<sub>21</sub>Br<sub>2</sub>N<sub>07</sub>

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

|                            |   |
|----------------------------|---|
| Description                | PAN endonuclease-IN-2 (compound T-31) is a PAN endonuclease inhibitor (IC <sub>50</sub> : 0.15 μM) and has antiviral properties with broad-spectrum anti-influenza activity. PAN, as the N-terminal PA subunit of the polymerase-RNA complex, possesses a cap-dependent endonuclease (CEN) active site, facilitating RNA cleavage and initiating the synthesis of new RNA molecules. PAN endonuclease-IN-2 targets both influenza HA and RdRp complexes, thereby disrupting viral entry into host cells and impeding viral replication. |
| Targets(IC <sub>50</sub> ) | Influenza Virus   |
| In vitro                   | PAN endonuclease-IN-2 (compound T-31) exhibits in vitro anti-influenza activity with an EC <sub>50</sub> of 0.96 μM against the influenza virus A (H1N1/A/WSN/33) in MDCK cells. The EC <sub>50</sub> values for other influenza strains are 4.76 μM for PR/8(H1N1), 1.85 μM for H3N2, 5.06 μM for H5N1, 0.71 μM for H9N2, and 2.36 μM for Flu B.   |

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481