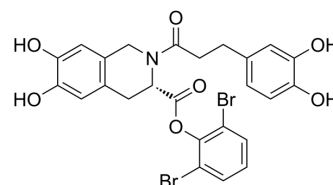


## PAN endonuclease-IN-2

<b>Cat. No.:</b>	HY-158028
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>21</sub> Br <sub>2</sub> NO <sub>7</sub>
<b>Molecular Weight:</b>	607.24
<b>Target:</b>	Influenza Virus
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PAN endonuclease-IN-2 (compound T-31) is a PAN endonuclease inhibitor (IC <sub>50</sub> : 0.15 μM) and antiviral agent with broad-spectrum anti- Influenza activity. PAN is the N-terminal PA subunit of the polymerase-RNA complex and the dependent endonuclease (CEN) active site. PAN initiates RNA replication by promoting cleavage of the RNA strand and allowing the polymerase to begin synthesizing new RNA molecules. PAN endonuclease-IN-2 targets both the influenza HA and RdRp complexes, thereby interfering with viral entry into host cells and viral replication <sup>[1]</sup> .
<b>In Vitro</b>	PAN endonuclease-IN-2 (compound T-31) exerts an in vitro anti-influenza EC <sub>50</sub> of 0.96 μM against influenza virus A (H1N1/A/WSN/33) in MDCK cells; against other PR/8 (H1N1), The EC <sub>50</sub> of H3N2, H5N1, H9N2, and Flu B are 4.76 μM, 1.85 μM, 5.06 μM, 0.71 μM, and 2.36 μM respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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