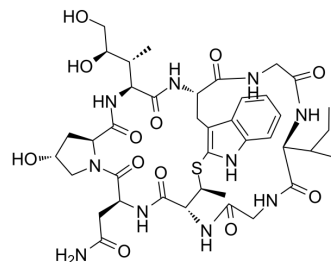


## RNA polymerase II-IN-2

<b>Cat. No.:</b>	HY-147917
<b>Molecular Formula:</b>	C <sub>41</sub> H <sub>58</sub> N <sub>10</sub> O <sub>12</sub> S
<b>Molecular Weight:</b>	915.02
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	RNA polymerase II-IN-2 (compound 20iii) is a potent RNA polymerase II (Pol II) inhibitor with K <sub>i</sub> value of 9.5 nM. RNA polymerase II-IN-2 has cytotoxicity against cancer cells, and exhibits 2 and 5 fold toxicity than α-amanitin against CHO and HEK293 <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	K <sub>i</sub> : 74.1 nM (Pol II) <sup>[1]</sup>

### REFERENCES

[1]. Todorovic M, et al. Rationally Designed Amanitins Achieve Enhanced Cytotoxicity. J Med Chem. 2022 Jun 13.

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

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