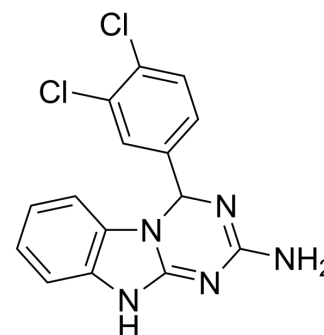


## Topoisomerase II inhibitor 15

<b>Cat. No.:</b>	HY-155645
<b>CAS No.:</b>	451516-79-3
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>11</sub> Cl <sub>2</sub> N <sub>5</sub>
<b>Molecular Weight:</b>	332.19
<b>Target:</b>	Topoisomerase; Apoptosis
<b>Pathway:</b>	Cell Cycle/DNA Damage; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Topoisomerase II inhibitor 15 (compound 2g) is a Topoisomerase II inhibitor. Topoisomerase II inhibitor 15 potentially is an apoptotic inducer with greater selectivity against head and neck tumors <sup>[1]</sup> .
<b>In Vitro</b>	Topoisomerase II inhibitor 15 (compound 2g) shows very strong activities against HNO97 with IC <sub>50</sub> values of 3 µg/mL. Topoisomerase II inhibitor 15 arrests cell cycle progression at both the S and G2-M phases, as well as increased the early and late apoptosis phase ratios <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ahmed A Al-Karmalawy, et al. Novel fused imidazotriazines acting as promising top. II inhibitors and apoptotic inducers with greater selectivity against head and neck tumors: Design, synthesis, and biological assessments. *Eur J Med Chem.* 2023 Nov 5;259:115661.

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

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