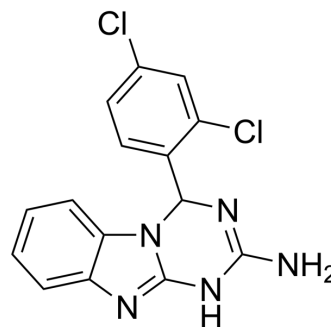


Topoisomerase II inhibitor 14

| | |
|--------------------|---|
| Cat. No.: | HY-W278582 |
| CAS No.: | 305343-00-4 |
| Molecular Formula: | C ₁₅ H ₁₁ Cl ₂ N ₅ |
| Molecular Weight: | 332.19 |
| Target: | Topoisomerase; Apoptosis |
| Pathway: | Cell Cycle/DNA Damage; Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | Topoisomerase II inhibitor 14 (compound 2f) is a potent inhibitor of Topoisomerase II, with anticancer activity. Topoisomerase II inhibitor 14 induces apoptosis, and arrests cell cycle at S phase. Topoisomerase II inhibitor 14 exhibits antioxidant effect and decreases the level of GSH, MDA, and NO ^[1] . |
| In Vivo | Topoisomerase II inhibitor 14 (compound 2f) MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Al-Karmalawy AA, 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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