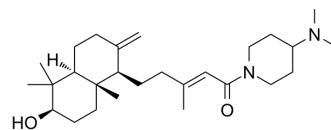


Apoptosis inducer 10

| | |
|--------------------|---|
| Cat. No.: | HY-146255 |
| CAS No.: | 2379310-39-9 |
| Molecular Formula: | C ₂₇ H ₄₆ N ₂ O ₂ |
| Molecular Weight: | 430.67 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Apoptosis inducer 10 is a potent apoptosis inducer. Apoptosis inducer 10 shows antiproliferative effect. Apoptosis inducer 10 induces apoptosis in HeLa cancer cells via a mitochondria-dependent endogenous pathway ^[1] . |
| In Vitro | Apoptosis inducer 10 (compound 11) shows cytotoxic activity with IC ₅₀ s of 7.39, 63.20, 15.28, 15.38, 12.07 μM for HeLa, HL-7702, A549, PC-3, MCF-7 cells, respectively ^[1] . Apoptosis inducer 10 (2.5, 5, 10 μM) inhibits tumor cell colony formation in A549, HeLa, PC-3 and MCF-7 cells ^[1] . Apoptosis inducer 10 (2.5, 5, 10 μM; 48 h) induces apoptosis in HeLa cells in a dose dependent manner ^[1] . Apoptosis inducer 10 (0, 2.5, 5, 10, 20 μM; 72 h) decreases the ratio to the expression of Bcl-2 and Bax in HeLa cells and results in the release of cytochrome c, thereby activates caspase-9 and caspase-3, and cleaved PARP proteins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Zhang S, et al. Incorporation of amino moiety to alepterolic acid improve activity against cancer cell lines: Synthesis and biological evaluation. *Bioorg Chem.* 2020 May;98:103756.

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

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