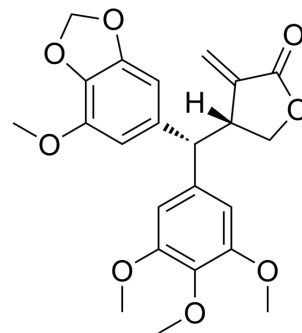


DHP-B

| | |
|--------------------|---|
| Cat. No.: | HY-161027 |
| Molecular Formula: | C ₂₃ H ₂₄ O ₈ |
| Molecular Weight: | 428.43 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

DHP-B possesses anti-cancer activity and induces apoptosis. DHP-B covalently binds to Cys96 of CPT1A, blocks FAO, and disrupts the mitochondrial CPT1A-VDAC1 interaction, leading to increased mitochondrial permeability and reduced oxygen consumption and energy metabolism in CRC cells. DHP-B can be isolated from the plant *Peperomia dindygulensis*^[1].

REFERENCES

[1]. Anni Hu, A novel CPT1A covalent inhibitor modulates fatty acid oxidation and CPT1A-VDAC1 axis with therapeutic potential for colorectal cancer. *Redox Biol.* 2023 Dec;68:102959.

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

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