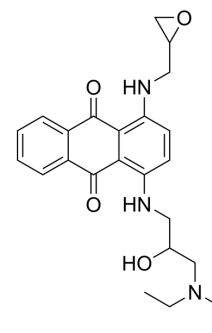


(Rac)-BDA-366

Cat. No.:	HY-101083A
CAS No.:	142645-19-0
Molecular Formula:	C ₂₄ H ₂₉ N ₃ O ₄
Molecular Weight:	423.5
Target:	Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(Rac)-BDA-366 (example 2) is the despinner of BDA-366 (HY-101083). BDA-366 is a potent Bcl-2 antagonist (K_i=3.3 nM), binding Bcl-2-BH4 domain with high affinity and selectivity. BDA-366 induces conformational change in Bcl-2 that abrogates its antiapoptotic function, converting it from a survival molecule to a cell death inducer. BDA-366 suppresses growth of lung cancer cells^{[1][2]}.

REFERENCES

[1]. Spinx Pharmaceuticals Corp. Preparation of bis(hydroxyalkylamino) anthraquinones as protein kinase C inhibitors. World Intellectual Property Organization, WO9207557 A1 1992-05-14

[2]. Han B, Park D, Li R, et al. Small-Molecule Bcl2 BH4 Antagonist for Lung Cancer Therapy. *Cancer Cell*. 2015;27(6):852-863.

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

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