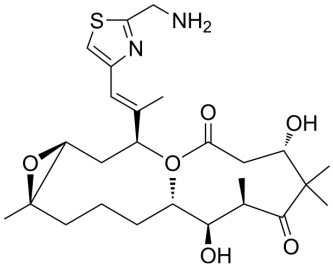
BMS 310705

Cat. No.:	HY-107020
CAS No.:	280578-49-6
Molecular Formula:	$C_{27}H_{42}N_2O_6S$
Molecular Weight:	522.7
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BMS 310705 (21-Aminoepothilone B) is an analog of Epothilone B (HY-17029), targeting to malignancies such as ovarian, renal, bladder, and lung carcinoma. BMS 310705 induces significant apoptosis via mitochondrial-mediated pathway[1].
In Vitro	BMS 310705 (0.01-0.5 μM; 1 h) induces cell apoptosis in OC-2 cells[1]. BMS 310705 (0.5 μM; 1 h) increases the activity of caspase-9 and -3, and leads to cytochrome c release[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Apoptosis Analysis[1]

Cell Line:	OC-2 cells
Concentration:	0.01 μM, 0.025 μM, 0.05 μM, and 0.5 μM
Incubation Time:	1 hour; reincubation in drug-free media at 24-, 48-, 72-, and 96-h intervals
Result:	Induced maximal cell apoptosis at 0.05 μM, and exhibited time-dependent manner.

REFERENCES

[1]. Uyar D, et al. Apoptotic pathways of epothilone BMS 310705. Gynecol Oncol. 2003 Oct;91(1):173-8.

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

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