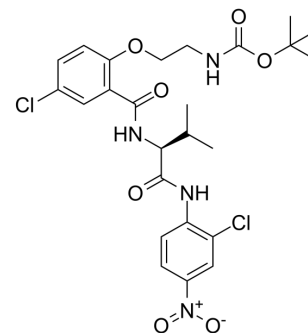


JMX0293

Cat. No.:	HY-144638
Molecular Formula:	C ₂₅ H ₃₀ Cl ₂ N ₄ O ₇
Molecular Weight:	569.43
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

JMX0293 is an O-alkylamino-tethered salicylamide derivative compound. JMX0293 maintains good potency against MDA-MB-231 cell line (IC₅₀ = 3.38 μM) while exhibiting very low toxicity against human non-tumorigenic breast epithelial cell line MCF-10A (IC₅₀ > 60 μM). JMX0293 inhibits STAT3 phosphorylation and contribute to apoptosis in TNBC MDA-MB-231 cells. JMX0293 significantly suppresses MDA-MB-231 xenograft tumor growth in vivo without significant toxicity^[1].

REFERENCES

[1]. Xu J, et al. Structure-activity relationship studies on O-alkylamino-tethered salicylamide derivatives with various amino acid linkers as potent anticancer agents. *Eur J Med Chem.* 2022;234:114229.

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

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