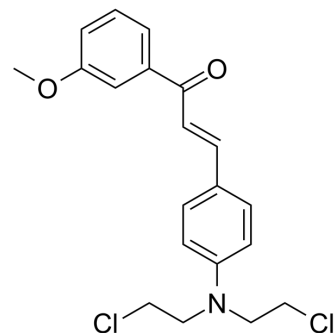


Anticancer agent 57

Cat. No.:	HY-146452
CAS No.:	2408017-71-8
Molecular Formula:	C ₂₀ H ₂₁ Cl ₂ NO ₂
Molecular Weight:	378.29
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 57 (compound 14) potently inhibits MDA-MB-231, MDA-MB-468, and MCF-7 cell lines, with IC ₅₀ s of 6.43 ~ 8.00 μM. Anticancer agent 57 induces cell cycle arrest and significantly promotes apoptosis. Anticancer agent 57 inhibits tumor growth in nude mice xenografted with MADMB-231 cells. Anticancer agent 57 can be used for researching triple negative breast cancer (TNBC) ^[1] .
IC₅₀ & Target	IC ₅₀ : 8.00 ± 0.07 μM in MDA-MB-231, 7.30 ± 0.04 μM in MDA-MB-468, 6.43 ± 0.18 μM in MCF-7 ^[1]

REFERENCES

[1]. Elkhalfa D, et al. Design, synthesis, and validation of novel nitrogen-based chalcone analogs against triple negative breast cancer. *Eur J Med Chem.* 2020;187:111954.

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

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