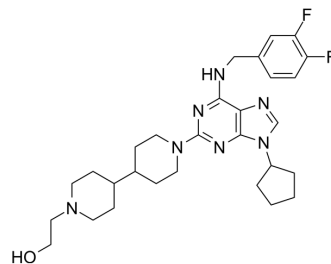


anti-TNBC agent-3

Cat. No.:	HY-155251
CAS No.:	2422001-25-8
Molecular Formula:	C ₂₉ H ₃₉ F ₂ N ₇ O
Molecular Weight:	539.66
Target:	Apoptosis; Bcl-2 Family
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	anti-TNBC agent-3 (compound 3g) is an apoptosis inducer with anti-cancer cell proliferation activity. anti-TNBC agent-3 inhibits tumor growth and metastasis in triple-negative breast cancer (TNBC) xenograft models ^[1] .
IC₅₀ & Target	Bcl-2
In Vitro	anti-TNBC agent-3 (compound 3g) inhibits K562 and HepG2 proliferation with IC ₅₀ s of 0.24 μM and 0.25 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	anti-TNBC agent-3 (compound 3g) (10 mg/kg, 20 mg/kg; ip) inhibits tumor growth and metastasis in a mouse triple-negative breast cancer (TNBC) xenograft model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang Q, et al. Synthesis and mechanism of action of new purine derivatives against triple negative breast cancer. Eur J Med Chem. 2023 Sep 7;261:115797..

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

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