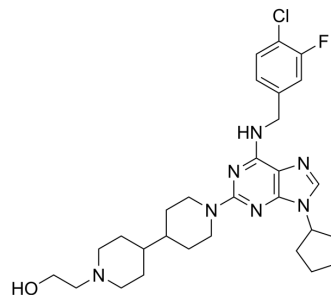


Anticancer agent 199

Cat. No.:	HY-158049
CAS No.:	2422001-24-7
Molecular Formula:	C ₂₉ H ₃₉ ClFN ₇ O
Molecular Weight:	556.12
Target:	Apoptosis; Ferroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anticancer agent 199 (Compound G-4) induces apoptosis in triple negative breast cancer (TNBC) cells via the mitochondrial pathway through inhibiting EGFR, AKT and MAPK pathways. Anticancer agent 199 also induces Ferroptosis by down-regulating LCN2. Anticancer agent 199 inhibits TNBC cell viability and migration, and induces S phase cell cycle arrest. Anticancer agent 199 is a derivate of cyclin-dependent kinase inhibitor Rocovitrine^[1].

REFERENCES

[1]. Sun G, et al. G-4 inhibits triple negative breast cancer by inducing cell apoptosis and promoting LCN2-dependent ferroptosis. *Biochem Biophys Res Commun* 2018; 507: 100-105.

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

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