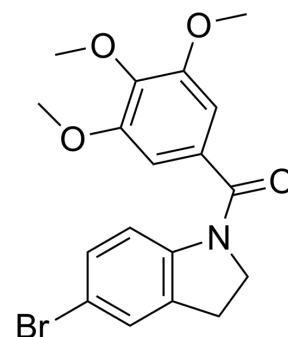


IV-23

Cat. No.:	HY-126324
CAS No.:	2326007-49-0
Molecular Formula:	C ₁₈ H ₁₈ BrNO ₄
Molecular Weight:	392.24
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IV-23 (Compound 20) is a potent Noxa mediated apoptosis inducer, and it is a promising anticancer agent with potential. IV-23 inhibits cell growths in vitro and in vivo, reduces colony formation, arrests cell cycle at M phase, and induces esophageal squamous cell carcinoma (ESCC) ^[1] .
In Vitro	IV-23 (Compound 20) shows a strong inhibition against the ESCCs in a concentration depend manner, the IC ₅₀ values against the Kyse30 and Kyse450 cell lines were all less than 2 μM, presented in a dose-dependent manner. IV-23 triggers caspases related apoptosis in ESCC cells ^[1] . IV-23 induces G2/M phase arrest ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fu DJ, et al. Discovery of indoline derivatives that inhibit esophageal squamous cell carcinoma growth by Noxa mediated apoptosis. *Bioorg Chem.* 2019 Aug 10;92:103190.

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

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