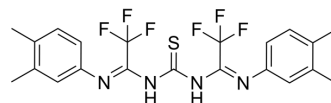


CXCR4-IN-2

Cat. No.:	HY-149558
Molecular Formula:	C ₂₁ H ₂₀ F ₆ N ₄ S
Molecular Weight:	474.47
Target:	Apoptosis; CXCR
Pathway:	Apoptosis; GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CXCR4-IN-2 (compound A1) is a bifunctional fluorinated small molecule that is a potent CXCR4 inhibitor with anticancer activity. CXCR4-IN-2 has cytotoxic (IC₅₀: 60 µg/mL; 72 h) and antiproliferative effects on mouse colorectal cancer (CRC) cells. CXCR4-IN-2 induces cell arrest in the G₂/M phase and induces apoptosis^[1].

REFERENCES

[1]. Khorramdelazad H, et al. Antitumor activities of a novel fluorinated small molecule (A1) in CT26 colorectal cancer cells: molecular docking and in vitro studies. J Biomol Struct Dyn. 2023 Sep 13:1-14...

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

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