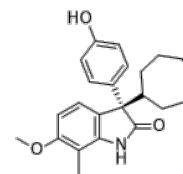


Product Name : Necrocid 1
Cat. No. : PC-23519
CAS No. : 1247028-61-0
Molecular Formula : C₂₃H₂₇NO₃
Molecular Weight : 365.47
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 1247028-61-0

Biological Activity

Necrocid 1 (NC1) is a small molecule inducer of tumor necrosis factor (TNF)-independent **necrosis**, shows antiproliferative activity with IC₅₀ values of 0.48 and 2 nM for MCF-7 and PC3, respectively.

Necrocid 1 (NC1) targets **TRPM4** to promote Na⁺ influx and necrosis.

Necrocid 1 specifically activates human TRPM4, not mouse TRPM4.

Necrocid 1 (NC1) induces necrotic cell death through sodium overload (NECSO).

References

Jing Zhang, et al. *Cell Death Dis.* 2023 Apr 5;14(4):238.

2, Fu W, et al. *Nat Chem Biol.* 2025 Feb 6. doi: 10.1038/s41589-025-01841-3.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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