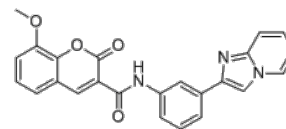


Product Name : Procaspase-3 activator 1541
Cat. No. : PC-62209
CAS No. : 1100353-03-4
Molecular Formula : C₂₄H₁₇N₃O₄
Molecular Weight : 411.417
Target : Caspase
Solubility : 10 mM in DMSO



Biological Activity

Procaspase-3 activator 1541 is a small-molecule inducer of cell death that noncovalently self-assembles into chemical fibrils and activates **procaspase-3** and 6 in vitro (EC₅₀=2.4 and 2.8 μM).

Procaspase-3 activator 1541 does not activate procaspases-1 or -7.

Procaspase-3 activator 1541 induces cell death by the fibrillar rather than the soluble form of the compound.

Procaspase-3 activator 1541 induces extensive proteolysis including caspase substrates, yet modulatory profiling reveals that chemi-fibrils form a distinct class from existing inducers of cell death.

References

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Zorn JA, et al. *J Biol Chem*. 2012 Sep 28;287(40):33781-95.

Wolan DW, et al. *Science*. 2009 Nov 6;326(5954):853-8.

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

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