

Product Name : Procaspase-3 activator 1541

Synonyms : Compound 1541

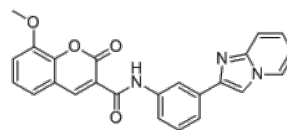
Cat No. : M10383

CAS Number : 1100353-03-4

Molecular Formula : C₂₄H₁₇N₃O₄

Formula Weight : 411.42

Chemical Name : N-(3-(imidazo[1,2-a]pyridin-2-yl)phenyl)-8-methoxy-2-oxo-2H-chromene-3-carboxamide



Description : 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); does not activate procaspases-1 or -7, induces cell death by the fibrillar rather than the soluble form of the compound; induces extensive proteolysis including caspase substrates, yet modulatory profiling reveals that chemi-fibrils form a distinct class from existing inducers of cell death.

Pathway : Apoptosis

Target : Caspase

Receptor : Caspase

Solubility : —

SMILES : O=C(C(C1=O)=CC2=C(O1)C(OC)=CC=C2)NC3=CC=CC(C4=CN5C=CC=CC5=N4)=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Julien O, et al. Nat Chem Biol. 2014 Nov;10(11):969-76. | 2. Zorn JA, et al. J Biol Chem. 2012 Sep 28;287(40):33781-95. | 3. Wolan DW, et al. Science. 2009 Nov 6;326(5954):853-8.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE