

Product Name : Procaspase-3 activator 1541B

Synonyms : Compound 1541B

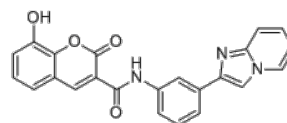
Cat No. : M10573

CAS Number : 1170689-68-5

Molecular Formula : C₂₃H₁₅N₃O₄

Formula Weight : 397.39

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



Description : Procaspase-3 activator 1541B is a specific, small molecule activator of procaspases-3 with EC₅₀ of 1.3 μM; shows no activation activity for procaspases-6; shows considerable synergy in activating procaspase-3 in vitro combined with PAC-1, stimulates rapid and dramatic maturation of procaspase-3 in multiple cancer cell lines; effectively reduces tumor burden in a murine lymphoma model combined with PAC-1, but not treated alone.

Pathway : Apoptosis

Target : Caspase

Receptor : Caspase

Solubility : —

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

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wolan DW, et al. Science. 2009 Nov 6;326(5954):853-8. | 2. Botham RC, et al. J Am Chem Soc. 2014 Jan 29;136(4):1312-9. | 3. Julien O, et al. Nat Chem Biol. 2014 Nov;10(11):969-76.