

Product Name : Bax activator compound 106

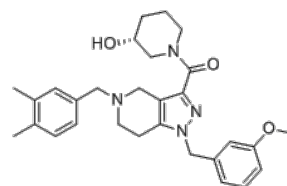
Synonyms : ZINC14750348

Cat No. : M12474

CAS Number : 1638526-94-9

Molecular Formula : C₂₉H₃₆N₄O₃

Formula Weight : 488.63



Chemical Name : 5-[(3,4-dimethylphenyl)methyl]-1-[(3-methoxyphenyl)methyl]-6,7-dihydro-4H-pyrazolo[4,3-c]pyridin-3-ium-3-yl)-[(3R)-3-hydroxypiperidin-1-yl]methanone

Description : A specific, small molecule Bax agonist that promotes Bax-dependent but not Bak-dependent apoptosis; alters Bax protein stability in vitro and promotes the insertion of Bax into mitochondria, leading to Bax-dependent permeabilization of the mitochondrial outer membrane; induces significant cell death and caspase 3/7 activation in Bax-expressing cells, inhibits the growth of transplanted tumors as a single agent.

Pathway : Angiogenesis

Target : Bcl-2

Receptor : Bcl-2

Solubility : —

SMILES : O=C(C1=NN(CC2=CC=CC(OC)=C2)C3=C1CN(CC4=CC=C(C)C(C)=C4)CC3)N5C[C@H](O)CCC5

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Daniele S, et al. ACS ChemNeurosci. 2017 Apr 11. doi: 10.1021/acscchemneuro.7b00023. | 2. Zhao G, et al. Mol Cell Biol. 2014 Apr;34(7):1198-207.