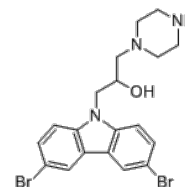


Product Name : BAX inhibitor BAI1
Cat. No. : PC-72240
CAS No. : 335165-68-9
Molecular Formula : C₁₉H₂₁Br₂N₃O
Molecular Weight : 467.205
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

BAX inhibitor BAI1 (BAI1) is a small-molecule allosteric inhibitor of **BAX**, bind directly to BAX and inhibits tBID-induced BAX-mediated membrane permeabilization with IC₅₀ of 3.4 uM.

BAI1 binds to inactive monomeric BAX at a novel allosteric site, allosterically inhibits BIM BH3-mediated BAX activation and oligomerization.

BAI1 selectively inhibited BAX-mediated apoptotic cell death, effectively inhibited TNFα + cyclohexamide mediated-apoptosis monitored by caspase 3/7 activation in a dose-dependent manner (IC₅₀=1.8 uM).

References

Thomas P Garner, et al. *Nat Chem Biol.* 2019 Apr;15(4):322-330.

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

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