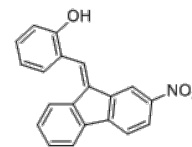


Product Name : SMBA1
Cat. No. : PC-60925
CAS No. : 906440-37-7
Molecular Formula : C₂₀H₁₃NO₃
Molecular Weight : 315.32
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

SMBA1 (SMBA-1, NSC 408730) is a potent, and selective **Bax agonist** (K_i=43.3 nM) that induces conformational changes in Bax by blocking S184 phosphorylation.

SMBA1 shows no affinity for other Bcl2 family members, including Bcl2, Bcl-XL, Mcl-1, Bcl-w, Bfl-1/A1, Bid or Bak.

SMBA1 facilitates Bax insertion into mitochondrial membranes and forming Bax oligomers, leads to cytochrome c release and apoptosis in human lung cancer cells.

SMBA1 potently suppresses lung tumour growth via apoptosis by selectively activating Bax in vivo without significant normal tissue toxicity.

References

Xin M, et al. *Nat Commun.* 2014 Sep 17;5:4935.

Daniele S, et al. *ACS Chem Neurosci.* 2017 Apr 11. doi: 10.1021/acscchemneuro.7b00023.

Li R, et al. *Cancer Res.* 2017 Jun 1;77(11):3001-3012.

Levesley J, et al. *Neuro Oncol.* 2017 Jul 20. doi: 10.1093/neuonc/nox134.

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

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