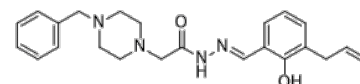


Product Name : Procaspase-3 activator PAC-1
Cat. No. : PC-22740
CAS No. : 315183-21-2
Molecular Formula : C₂₃H₂₈N₄O₂
Molecular Weight : 392.50
Target : Caspase
Solubility : 10 mM in DMSO



Biological Activity

PAC-1 is a small-molecule activator of procaspase-3 to caspase-3, induces apoptosis in cancerous cells, induces apoptosis in HL-60 cells with EC₅₀ of 2.08 μM.

PAC-1 induces death in cells isolated from freshly resected colon tumors.

PAC-1 significantly retards tumor growth in mouse models of cancer.

PAC-1 strongly activates procaspase-3 in buffers that contain zinc.

References

Putt KS, et al. Nat Chem Biol. 2006 Oct;2(10):543-50.

Peterson QP, et al. J Mol Biol. 2009 Apr 24;388(1):144-58.

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

E-mail: tech@probechem.com