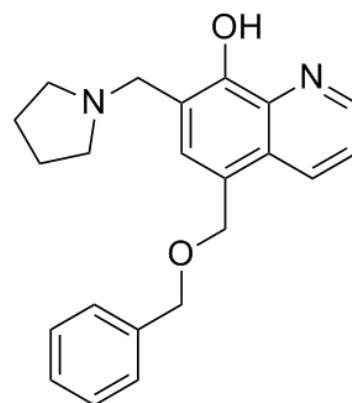


Product Name : UC-112
Cat. No. : PC-43254
CAS No. : 383392-66-3
Molecular Formula : C₂₂H₂₄N₂O₂
Molecular Weight : 348.4382
Target : IAP
Solubility : 10 mM in DMSO



Biological Activity

UC-112 is a novel **IAP** inhibitor that potently inhibits human melanoma (A375 and M14) and human prostate (PC-3 and DU145) cancer cell lines with IC₅₀ of 0.7-3.4 μ M.

UC-112 also potently inhibits the growth of P-gp-overexpressed multidrug-resistant cancer cells, strongly activates caspase-3/7 and caspase-9 activities, and selectively downregulates survivin level at 1 μ M.

UC-112 strongly inhibits tumor growth and reduces both X chromosome-linked IAP and survivin levels in an A375 human melanoma xenograft model in vivo.

References

Wang J, et al. *J Pharmacol Exp Ther*. 2014 May;349(2):319-29.

Xiao M, et al. *PLoS One*. 2015 Jun 12;10(6):e0129807.

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

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