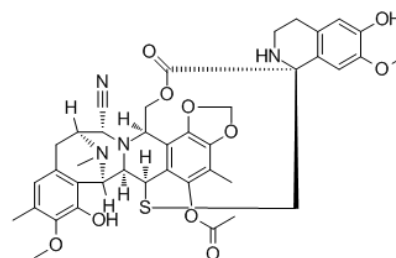


Product Name : Ecteinascidin 770
Cat. No. : PC-42331
CAS No. : 114899-80-8
Molecular Formula : C₄₀H₄₂N₄O₁₀S
Molecular Weight : 770.84728
Target : Apoptosis Inducer
Solubility : 10 mM in DMSO



Biological Activity

A tetrahydroisoquinoline alkaloid with potent anticancer activities; shows cytotoxicity against human cell lines HCT116, QG56, and DU145 with IC₅₀ of 0.60, 2.4, and 0.81 nM, respectively; sensitizes H23 the cells by activating the p53 protein, down-regulates MCL1 and up-regulates BAX proteins, with no effect on Bcl-2; enhances anoikis response of human lung cancer H23 and H460 cells.

References

- Saktrakulka P, et al. *Bioorg Med Chem.* 2011 Aug 1;19(15):4421-36.
Powan P, et al. *Anticancer Res.* 2013 Feb;33(2):505-12.
Puthongking P, et al. *Chem Pharm Bull (Tokyo).* 2006 Jul;54(7):1010-6.

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

E-mail: tech@probechem.com