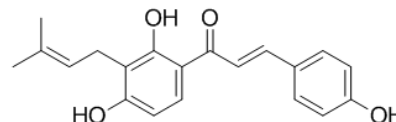


Product Name : Isobavachalcone
Cat. No. : PC-43370
CAS No. : 20784-50-3
Molecular Formula : C₂₀H₂₀O₄
Molecular Weight : 324.3704
Target : Akt
Solubility : DMSO: 11 mg/mL



Biological Activity

Isobavachalcone (Corylifolinin, Isobacachalcone) is a chalcone constituent of *Angelica keiskei* that can induce apoptosis in several cancer cells, is a potent inhibitor of **Akt** signaling pathway. Isobavachalcone also shows activity against multidrug-resistant (MDR) Gram-negative bacterial isolates. Isobavachalcone significantly reduces pro-caspase-3 and pro-caspase-9, and subsequently increases the level of cleaved caspase-3 and cleaved caspase-9 in neuroblastoma cell lines also exhibiting deletions of the major efflux pump components (AcrAB, TolC).

References

- Nishimura R, et al. Biol Pharm Bull. 2007 Oct;30(10):1878-83.
Kuate V, et al. Antimicrob Agents Chemother. 2010 May;54(5):1749-52.
Jing H, et al. Cancer Lett. 2010 Aug 28;294(2):167-77.

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

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