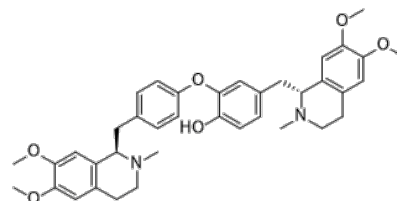


Product Name : Dauricine
Cat. No. : PC-23750
CAS No. : 524-17-4
Molecular Formula : C₃₈H₄₄N₂O₆
Molecular Weight : 624.78
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Dauricine, a bisbenzylisoquinoline alkaloid in *Menispermum dauricum*, has anti-inflammatory activity, Dauricine is a natural agonist of STK11 (Serine/threonine kinase 11).

Dauricine inhibits cell proliferation and invasion, and induces apoptosis by suppressing NF-κB activation in a dose- and time-dependent manner in colon cancer.

Dauricine induces activation of the STK11/AMPK pathway and inhibits the growth of PC-9 cells.

Dauricine synergises the inhibitory effect with gefitinib on PC9. induces up-regulation of STK11 protein expression in vitro and in vivo, while restoring the sensitivity of PC9/GR to gefitinib by down-regulating the protein expression of Nrf2 and Pgp.

References

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Yang Z, et al. *J Cell Physiol.* 2010 Oct;225(1):266-75.

Chen C, et al. *Front Cell Dev Biol.* 2021 Feb 5;8:624339.

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

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