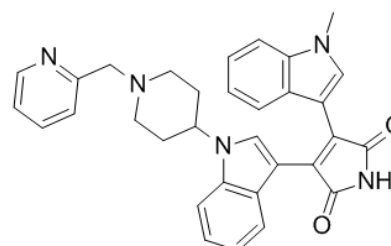


Product Name : Enzastaurin
Cat. No. : PC-42542
CAS No. : 170364-57-5
Molecular Formula : C₃₂H₂₉N₅O₂
Molecular Weight : 515.605
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

Enzastaurin (LY317615) is a potent, selective, ATP-competitive **PKC β** inhibitor with IC₅₀ of 6 nM. Enzastaurin (LY317615) weakly inhibits PKC α , PKC γ , and PKC ϵ with IC₅₀ of 39, 83, and 110 nM, respectively. Enzastaurin (LY317615) induces apoptosis and suppresses the proliferation of tumor cells, suppresses the phosphorylation of GSK3 β Ser9, ribosomal protein S6(S240/244) and AKT(Thr308). Enzastaurin (LY317615) suppresses tumor growth through multiple mechanism in vivo; orally active.

References

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Querfeld C, et al. *J Invest Dermatol.* 2006 Jul;126(7):1641-7.
Rizvi MA, et al. *Mol Cancer Ther.* 2006 Jul;5(7):1783-9.

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

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