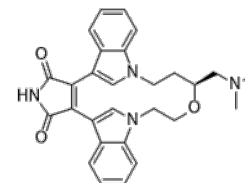


Product Name : Ruboxistaurin
Cat. No. : PC-23429
CAS No. : 169939-94-0
Molecular Formula : C₂₈H₂₈N₄O₃
Molecular Weight : 468.56
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

Ruboxistaurin (LY333531) is a potent, selective, ATP-competitive, orally available PKC beta (PKC β) inhibitor with IC₅₀ of 4.7 and 5.9 nM for PKC β I and PKC β II, respectively.

Ruboxistaurin hydrochloride (LY333531) displays >60-fold selectivity over PKC α , and other ATP dependent kinases (PKA, Calcium calmodulin, Caesin kinase and Src).

Ruboxistaurin hydrochloride (LY333531) ameliorates the glomerular filtration rate, albumin excretion rate, and retinal circulation in diabetic rats.

References

Jirousek MR, et al. J Med Chem. 1996 Jul 5;39(14):2664-71.

Ishii H, et al. Science. 1996 May 3;272(5262):728-31.

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

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