

Ruboxistaurin hydrochloride

产品编号: D51363

CAS: 169939-93-9

分子式: C₂₈H₂₉ClN₄O₃

纯度: ≥98%

InChi: InChI=1S/C28H28N4O3.ClH/c1-30(2)15-18-11-12-31-16-21(19-7-3-5-9-23(19)31)25-26(28(34)29-27(25)33)22-17-32(13-14-35-18)24-10-6-4-8-20(22)24;/h3-10,16-18H,11-15H2,1-2H3,(H,29,33,34);1H/t18-;/m0./s1

InChi Key: NYQIEYDJYFVLPO-FERBBOLQSA-N

Smiles: Cl.CN(C)C[C@@H]1CCN2C=C(C3=C(C4=CN(CCO1)C1=CC=CC=C14)C(=O)NC3=O)C1=CC=CC=C21

外观: 固体粉末

作用通路: PKC

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Ruboxistaurin hydrochloride, also known as LY-333531 hydrochloride, is a PKC beta inhibitor potentially for the treatment of diabetic nephropathy and diabetic macular edema. Ruboxistaurin attenuates diabetic nephropathy via modulation of TGF-β1/Smad and GRAP pathways. Ruboxistaurin reduces oxidative stress and attenuates left ventricular hypertrophy and dysfunction in rats with streptozotocin-induced diabetes. Ruboxistaurin inhibits retinal neovascularization via suppression of phosphorylation of ERK1/2 and Akt.