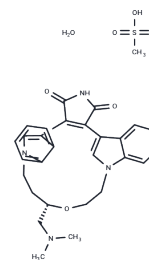


## Ruboxistaurin mesylate monohydrate

## Chemical Properties

CAS No. :	202260-21-7
Formula:	C <sub>29</sub> H <sub>34</sub> N <sub>4</sub> O <sub>7</sub> S
Molecular Weight:	582.67
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ruboxistaurin mesylate monohydrate 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.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7162 mL	8.5812 mL	17.1624 mL
5 mM	0.3432 mL	1.7162 mL	3.4325 mL
10 mM	0.1716 mL	0.8581 mL	1.7162 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481