

Sotrastaurin, Pan-PKC inhibitor

Catalog	Unit
TBI4350-5MG	5 mg
TBI4350-25MG	25 mg

Product Details

Formal Name: 3-(1H-Indol-3-yl)-4-[2-(4-methylpiperazin-1-yl)quinazolin-4-yl]pyrrole-2,5-dione

Alternate Name: AEB071

Molecular Formula: C₂₅H₂₂N₆O₂

Formula Weight: 438.5

CAS Number: 425637-18-9

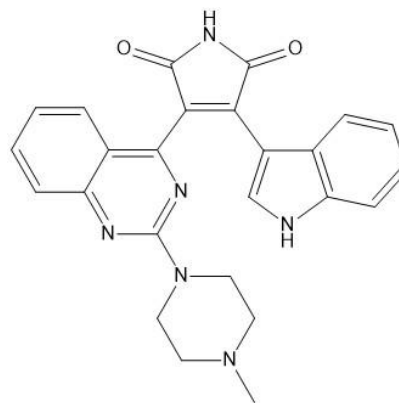
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (> 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Pan-PKC inhibitor

Functions

Highly selective and potent (IC₅₀'s for PKC isotypes: α = 2.1 nM, β 1 = 2.0 nM, δ = 1.3 nM, ϵ = 6.2 nM, η = 6.1 nM, θ = 1.0 nM) pan-PKC inhibitor. Potent immunomodulatory agent that inhibits early T-cell activation and displays potential for the prevention of transplant rejection and the treatment of inflammatory diseases. Sotrastaurin has anticancer activity in various cancer models including breast, CLL, ocular melanoma, and B-cell lymphoma.

Application Procedures

First dissolved in Soluble in DMSO (> 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.