

Enzastaurin, PKC inhibitor

Catalog	Unit
TBI2132-5MG	5 mg
TBI2132-25MG	25 mg

Product Details

Formal Name: 3-(1-Methyl-1H-indol-3-yl)-4-[1-[1-(2-pyridinylmethyl)-4-piperidinyl]-1H-indol-3-yl]-1H-pyrrole-2,5-dione

Alternate Names: LY-317615

Molecular Formula: C₃₂H₂₉N₅O₂

Formula Weight: 515.61

CAS Number: 170364-57-5

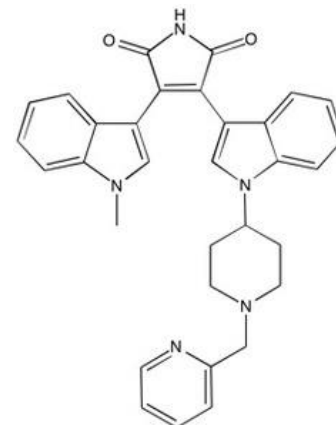
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 7 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

PKC inhibitor

Functions

Potent and selective PKC β inhibitor. IC₅₀ = 6, 39, 83 and 110 nM, for PKC β , PKC α , PKC γ and PKC ϵ respectively. Induces apoptosis in multiple myeloma cell lines via inhibition of the AKT signaling pathway. Induces mitotic missegregation and preferential cytotoxicity in colorectal cancer cells with chromosomal instability. Attenuates amphetamine-stimulated dopamine efflux. Inhibits blood-brain barrier leakiness in a mouse model.

Application Procedures

First dissolved in DMSO (up to 7 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.