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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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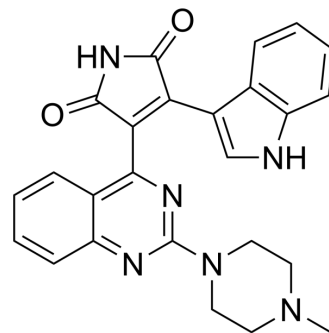
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Sotrastaurin (Standard)

Cat. No.:	HY-10343R
CAS No.:	425637-18-9
Molecular Formula:	C ₂₅ H ₂₂ N ₆ O ₂
Molecular Weight:	438.48
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Sotrastaurin (Standard) is the analytical standard of Sotrastaurin. This product is intended for research and analytical applications. Sotrastaurin (AEB071) is a potent and orally-active pan-PKC inhibitor, with K _s of 0.22 nM, 0.64 nM, 0.95 nM, 1.8 nM, 2.1 nM and 3.2 nM for PKCθ, PKCβ, PKCα, PKCη, PKCδ and PKCε, respectively ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.22 nM (PKCθ), 0.64 nM (PKCβ), 0.95 nM (PKCα), 1.8 nM (PKCη), 2.1 nM (PKCδ), 3.2 nM (PKCε) ^[1]

REFERENCES

- [1]. Evenou JP, et al. The potent protein kinase C-selective inhibitor AEB071 (sotrastaurin) represents a new class of immunosuppressive agents affecting early T-cell activation. *J Pharmacol Exp Ther.* 2009 Sep;330(3):792-801.
- [2]. Musi E, et al. The phosphoinositide 3-kinase α selective inhibitor BYL719 enhances the effect of the protein kinase C inhibitor AEB071 in GNAQ/GNA11-mutant uveal melanoma cells. *Mol Cancer Ther.* 2014 May;13(5):1044-53
- [3]. Kamo N, et al. Sotrastaurin, a protein kinase C inhibitor, ameliorates ischemia and reperfusion injury in rat orthotopic liver transplantation. *Am J Transplant.* 2011 Nov;11(11):2499-507.

Caution: Product has not been fully validated for medical applications. For research use only.

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