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## Sotrastaurin

产品编号: D51356

CAS: 425637-18-9

分子式: C<sub>25</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>25</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>/c1-30-10-12-31(13-11-30)25-27-19-9-5-3-7-16(19)22(28-25)21-20(23(32)29-24(21)33)17-14-26-18-8-4-2-6-15(17)18/h2-9,14,26H,10-13H<sub>2</sub>,1H<sub>3</sub>,1H,29,32,33

InChi Key: OAVGBZOFDPFGPJ-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)C1=NC2=CC=CC=C2C(=N1)C1=C(C2=CNC3=CC=CC=C23)C(=O)NC1=O

外观: 固体粉末

作用通路: PKC

溶解性: Soluble in DMSO, not in water

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

产品介绍: Sotrastaurin, also known as AEB-071, is an orally available pan-protein kinase C (PKC) inhibitor with potential immunosuppressive and antineoplastic activities. Sotrastaurin inhibits both T- and B-cell activations via PKC theta and beta isozymes, respectively. Both PKCs are important in the activation of nuclear factor-kappaB (NF-kB). Inhibition of PKC beta in B-cells results in prevention of NF-kB-mediated signaling and down regulation of NF-kB target genes. This may eventually lead to an induction of G1 cell cycle arrest and tumor cell apoptosis in susceptible tumor cells. This agent may act synergistically with other chemotherapeutic agents.