

Atopaxar

Chemical Properties

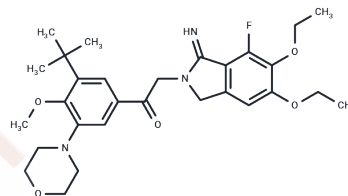
CAS No. : 751475-53-3

Formula: C₂₉H₃₈FN₃O₅

Molecular Weight: 527.63

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Atopaxar (E5555), a reversible PAR-1 thrombin receptor antagonist, interferes with platelet signaling. Atopaxar has been investigated for the treatment of Coronary Artery Disease and Acute Coronary Syndrome.
Targets(IC ₅₀)	Protease-activated Receptor
Kinase Assay	Kinase assays: WHI-P154 is tested in kinase assays. The panel of kinases is selected to broadly cover the kinome, providing a good approximation of specificity. For all kinases, recombinant rat (IKK β) or human (all others), full-length or GST-kinase domain fusion proteins, are used. WHI-P154 is inactive (concentration that inhibits response by 50% [IC ₅₀] > 30 μ M) for the following kinases: AKT, AuroraA, cdk2, cdk6, CHK1, FGFR1, GSK3b, IKKb, IKKi, INSR, MAPK1, MAPKAP-K2, MASK, MET, PAK4, PDK1, PKCb, ROCK1, TaoK3, TrkA.

Solubility Information

Solubility	DMSO: 25 mg/mL (47.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8953 mL	9.4763 mL	18.9527 mL
5 mM	0.3791 mL	1.8953 mL	3.7905 mL
10 mM	0.1895 mL	0.9476 mL	1.8953 mL
50 mM	0.0379 mL	0.1895 mL	0.3791 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.

Reference

Changelian PS, et al. Blood. 2008 Feb 15;111(4):2155-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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