

Product Name : Atopaxar

Synonyms : E-5555;E5555

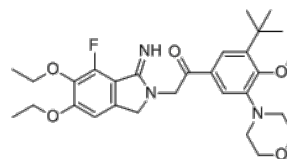
Cat No. : M15859

CAS Number : 751475-53-3

Molecular Formula : C₂₉H₃₈FN₃O₅

Formula Weight : 527.64

Chemical Name : 2-(5,6-Diethoxy-7-fluoro-1,3-dihydro-1-imino-2H-isindol-2-yl)-1-[3-(1,1-dimethylethyl)-4-methoxy-5-(4-morpholinyl)phenyl]ethanone



Description : A potent, reversible PAR-1 antagonist with IC₅₀ of 19 nM; shows potent inhibitory effects on human platelet aggregation induced by thrombin and TRAP with IC₅₀ of 64 nM and 31 nM, respectively, with no effect on platelet aggregation induced by either ADP or collagen; inhibits arterial thrombosis without affecting bleeding time in photochemically-induced thrombosis model guinea pigs. Thrombosis Phase 2 Clinical

Pathway : GPCR/G Protein

Target : PAR

Receptor : PAR-1

Solubility : —

SMILES : COC1=C(N2CCOCC2)C=C(C(CN(CC3=C4C(F)=C(OCC)C(OCC)=C3)C4=N)O)C=C1C(C)(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Serebruany VL, et al. Thromb Haemost. 2009 Jul;102(1):111-9. 2. Angiolillo DJ, et al. Eur Heart J. 2010 Jan;31(1):17-28. 3. Kogushi M, et al. Eur J Pharmacol. 2011 Apr 25;657(1-3):131-7.