

Product Name : Edoxaban

Synonyms : DU-176

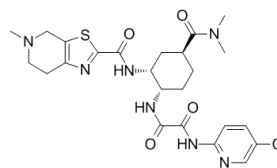
Cat No. : M14605

CAS Number : 480449-70-5

Molecular Formula : C₂₄H₃₀ClN₇O₄S

Formula Weight : 548.06

Chemical Name : Ethanediame, N1-(5-chloro-2-pyridinyl)-N2-[(1S,2R,4S)-4-[(dimethylamino)carbonyl]-2-[[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]cyclohexyl]-



Description : A potent and orally active Factor Xa inhibitor with K_i of 0.561 nM; also inhibits prothrombinase (K_i=2.98 nM), weakly inhibits thrombin and FIXa (K_i=6.0 uM, and 41.7 uM); exhibits >10,000-fold selectivity for Fxa over FVIIa/sTF, FXIa, tPA, aPC, trypsin, plasmin and chymotrypsin; inhibits thrombus formation in rat and rabbit thrombosis models. Thrombosis Approved

Pathway : Metabolic Enzyme/Protease

Target : Factor Xa

Receptor : Factor Xa

Solubility : 10 mM in DMSO

SMILES : CN1CCC2=C(C1)SC(=N2)C(=O)NC3CC(CCC3NC(=O)C(=O)NC4=NC=C(C=C4)Cl)C(=O)N(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Furugohri T, et al. J Thromb Haemost. 2008 Sep;6(9):1542-9. | 2. Furugohri T, et al. Eur J Pharmacol. 2012 Jul 5;686(1-3):74-80. | 3. Morishima Y, et al. Thromb Res. 2013 Jan;131(1):59-63.