

Product Name : Betrixaban maleate

Synonyms : —

Cat No. : M19839

CAS Number : 936539-80-9

Molecular Formula : C₂₇H₂₆ClN₅O₇

Formula Weight : 567.98

Chemical Name : —

Description : Betrixaban is a non-vitamin K oral anticoagulant whose action is driven by the competitive and reversible inhibition of the factor Xa. It was selected among all lead compounds due to its low hERG channel affinity while sustaining its factor Xa inhibition capacity. Betrixaban now developed by Portola Pharmaceuticals Inc. is prescribed as a venous thromboembolism (VTE) prophylactic for adult patients with moderate to severe restricted motility or with other risks for VTE. VTE can be manifested as deep vein thrombosis or pulmonary embolism and it is a leading cause of preventable death in hospitalized patients.

Pathway : Metabolic Enzyme/Protease

Target : Factor Xa

Receptor : Factor Xa

Solubility : DMSO:22mg/mL

SMILES : OC(=O)C=C/C(O)=O.COc1ccc(NC(=O)c2ccc(cc2)C(=N)N(C)C)c(c1)C(=O)Nc1ccc(Cl)cn1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Zhang P et al. Discovery of Betrixaban (PRT054021) N-(5-chloropyridin-2-yl)-2-(4-(NN-dimethylcarbamimidoyl)benzamido)-5-methoxybenzamide a highly potent selective and orally efficacious factor Xa inhibitor. Bioorg Med Chem Lett. 2009 Apr 15;19(8):21