

Product Name : BMS-986120

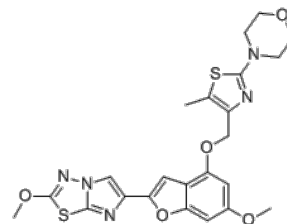
Synonyms : BMS 986120;BMS986120

Cat No. : M12041

CAS Number : 1478712-37-6

Molecular Formula : C₂₃H₂₃N₅O₅S₂

Formula Weight : 513.59



Chemical Name : 4-(4-(((6-methoxy-2-(2-methoxyimidazo[2,1-b][1,3,4]thiadiazol-6-yl)benzofuran-4-yl)oxy)methyl)-5-methylthiazol-2-yl)morpholine

Description : BMS-986120 (BMS986120) is a potent, selective, orally bioavailable, and reversible PAR4 antagonist with K_d of 0.098 nM for human PAR4; selectivity inhibits PAR4 AP-induced cellular calcium mobilization in HEK cells with IC₅₀ of 0.56 nM, with no activity on PAR1 and PAR2; inhibits human PRP aggregation in response to γ-thrombin in vitro with IC₅₀ of 7.3 nM; demonstrates potent and highly efficacious antithrombotic activity with low bleeding in vivo. Thrombosis Phase 2 Clinical

Pathway : GPCR/G Protein

Target : PAR

Receptor : PAR

Solubility : —

SMILES : COC1=NN2C(S1)=NC(C(OC3=CC4=C3C=C(C(OC)C=C4OCC(N=C5N6CCOCC6)=C(S5)C)=C2)=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wong PC, et al. Sci Transl Med. 2017 Jan 4;9(371). pii: eaaf5294. 2. Moschonas IC, et al. Platelets. 2017 Dec;28(8):812-821. 3. Wilson SJ, et al. Arterioscler Thromb Vasc Biol. 2017 Dec 21. pii: ATVBAHA.117.310104.