

Product Name	: Letaxaban
Synonyms	: TAK-442; TAK442
Cat No.	: M16321
CAS Number	: 870262-90-1
Molecular Formula	: C ₂₂ H ₂₆ ClN ₃ O ₅ S
Formula Weight	: 479.98
Chemical Name	: (S)-1-(1-(3-((6-chloronaphthalen-2-yl)sulfonyl)-2-hydroxypropanoyl)piperidin-4-yl)tetrahydropyrimidin-2(1H)-one
Description	Letaxaban (TAK-442, TAK442) is a potent, selective and direct factor Xa (FXa) inhibitor with K_i of 1.8 nM for hFXa, >440-fold selectivity than thrombin and negligible effects on trypsin, plasmin, and tPA; In human plasma, TAK-442 doubles FXa-induced clotting time, prothrombin time (PT), and activated partial thromboplastin time at 0.19, 0.55, and 0.59 μM, respectively; demonstrates antithrombotic effects in rabbit model of venous thrombosis. Thrombosis Phase 2 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: Factor Xa
Receptor	: Factor Xa
Solubility	: —
SMILES	: <chem>O=C1NCCCN1C2CCN(C([C@H](O)CS(=O)(C3=CC=C4C=C(Cl)C=CC4=C3)=O)CC2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kawamura M, et al. J Cardiovasc Pharmacol. 2010 Aug;56(2):156-61. | 2. Konishi N, et al. Thromb Res. 2010 Aug;126(2):124-9. | 3. Konishi N, et al. Thromb Haemost. 2010 Sep;104(3):504-13.