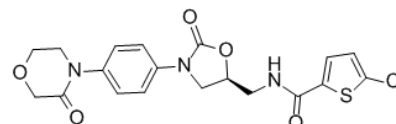


Product Name : Rivaroxaban
Cat. No. : PC-45897
CAS No. : 366789-02-8
Molecular Formula : C₁₉H₁₈ClN₃O₅S
Molecular Weight : 435.8813
Target : Factor Xa
Solubility : 10 mM in DMSO



Biological Activity

Rivaroxaban (BAY 59-7939) is a highly potent and selective, direct **FXa** inhibitor with IC₅₀ of 0.7 nM. Rivaroxaban (BAY 59-7939) displays >10,000-fold greater selectivity than for other serine proteases, also inhibits prothrombinase activity (IC₅₀=2.1 nM). Rivaroxaban (BAY 59-7939) inhibits endogenous FXa more potently in human than rat plasma (IC₅₀ 21 nM vs 290 nM). Rivaroxaban (BAY 59-7939) reduces venous thrombosis dose dependently (ED₅₀=0.1 mg/kg i.v.) in a rat venous stasis model. Rivaroxaban (BAY 59-7939) is orally active.

References

- Roehrig S, et al. *J Med Chem.* 2005 Sep 22;48(19):5900-8.
Perzborn E, et al. *J Thromb Haemost.* 2005 Mar;3(3):514-21.
Gerotziafas GT, et al. *J Thromb Haemost.* 2007 Apr;5(4):886-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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