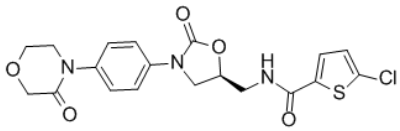
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Rivaroxaban
Cat. No.	:	PC-45897
CAS No.	:	366789-02-8
Molecular Formula	:	$C_{19}H_{18}ClN_3O_5S$
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.

E-mail: tech@probechem.com