

Rivaroxaban

货号: R2263

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

产品描述

The activated serine protease Factor Xa (FXa), activated by both the intrinsic and the extrinsic pathways, plays a central role in the blood coagulation cascade. FXa catalyzes the conversion of prothrombin to thrombin through the prothrombinase complex. Rivaroxaban, also called BAY 59-7939, is an inhibitor of FXa with IC_{50} of 0.7 nM and K_i of 0.4 nM which is under clinical development for the treatment of thrombotic disease. Rivaroxaban (15, 30, or 60 ng/mL) inhibited thrombin generation in a concentration-dependent manner and the effect was enhanced with ticagrelor (1.0 μ g/mL) and ticagrelor plus acetylsalicylic acid (100 μ g/mL). Rivaroxaban (0.01, 0.03, or 0.1 mg/kg) also dose-dependently reduced thrombus formation in arteriovenous shunt model in rats. Oral rivaroxaban (2.5 mg twice-daily [bid] and 5 mg bid) reduced mortality and morbidity in patients with acute coronary syndrome, when combined with antiplatelets.

作用机制

Rivaroxaban forms two hydrogen bonds to Gly219 of Factor Xa.

储存液制备	质量	1 mg	5 mg	10 mg
	1 mM	2.2942 mL	11.4710 mL	22.9421 mL
	5 mM	0.4588 mL	2.2942 mL	4.5884 mL
	10 mM	0.2294 mL	1.1471 mL	2.2942 mL

产品信息

CAS 号	366789-02-8		
分子式	C ₁₉ H ₁₈ ClN ₃ O ₅ S		
分子量	435.88		
溶解度	DMSO	86.0 mg/mL (197.3 mM)	
	Water	Insoluble	
	Ethanol	Insoluble	

