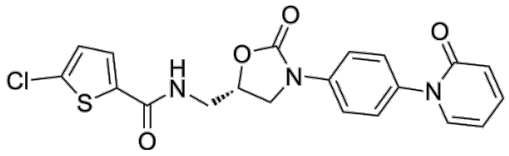
Product Data Sheet

Product Name: Zifaxaban
Cat. No.: GC70535

Chemical Properties

Cas. No.	1378266-98-8		
Formula	$C_{20}H_{16}ClN_3O_4S$	M.Wt	429.88
Solubility		Storage	
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Zifaxaban is an orally active, competitively and selective Factor Xa (FXa) inhibitor with an IC50 of 11.1 nM for human FXa. Zifaxaban shows >10000-fold greater selectivity than other serine proteases. Zifaxaban can be used for the arterial and venous thrombosis research.

In venous thrombosis models in rats, Zifaxaban strongly suppresses thrombus formation with ED_{50} values of 3.09 mg/kg, and its best efficacy time occurred at 2 h after administration[1].
In arteriovenous-shunt thrombosis and carotid thrombosis models in rats, Zifaxaban inhibits thrombus formation in a dose-dependent manner[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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References:

[1]. Qiu X, et al. Pre-clinical pharmacodynamic study of a novel oral factor Xa inhibitor zifaxaban. Eur J Pharmacol. 2018 Oct 5;836:50-56.

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