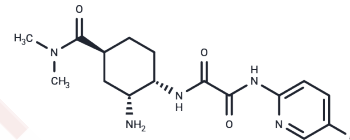


Edoxaban impurity 6

Chemical Properties

CAS No. :	480452-37-7
Formula:	C ₁₆ H ₂₂ ClN ₅ O ₃
Molecular Weight:	367.83
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Edoxaban impurity 6 is an impurity of Edoxaban. Edoxaban (DU-176) is a selective, potent and orally active factor Xa (FXa) inhibitor with Kis of 0.561 nM and 2.98 nM for free FXa and prothrombinase, respectively. Edoxaban is an anticoagulant agent and can be used for stroke prevention[1][2].
Targets(IC50)	Factor Xa,Others,Thrombin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7186 mL	13.5932 mL	27.1865 mL
5 mM	0.5437 mL	2.7186 mL	5.4373 mL
10 mM	0.2719 mL	1.3593 mL	2.7186 mL
50 mM	0.0544 mL	0.2719 mL	0.5437 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Furugohri T, et al. DU-176b, a potent and orally active factor Xa inhibitor: in vitro and in vivo pharmacological profiles. *J Thromb Haemost.* 2008 Sep;6(9):1542-9.
- Mendell J, Lee F, Chen S, The Effects of the Antiplatelet Agents, Aspirin and Naproxen, on Pharmacokinetics and Pharmacodynamics of the Anticoagulant Edoxaban, a Direct Factor Xa Inhibitor. *J Cardiovasc Pharmacol.* 2013 Apr 23.

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