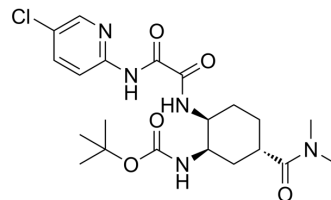


Edoxaban impurity 4

Cat. No.:	HY-134686
CAS No.:	480452-36-6
Molecular Formula:	C ₂₁ H ₃₀ ClN ₅ O ₅
Molecular Weight:	467.95
Target:	Factor Xa; Thrombin
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (53.42 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1370 mL	10.6849 mL	21.3698 mL
		5 mM		0.4274 mL	2.1370 mL	4.2740 mL
10 mM		0.2137 mL	1.0685 mL	2.1370 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.34 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Edoxaban impurity 4 is an impurity of Edoxaban. Edoxaban (DU-176) is a selective, potent and orally active factor Xa (FXa) inhibitor with K _i s 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]} .
--------------------	--

REFERENCES

- [1]. 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.
- [2]. 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA