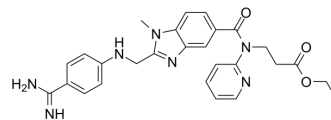


Dabigatran (ethyl ester)

Cat. No.:	HY-17378		
CAS No.:	429658-95-7		
Molecular Formula:	C ₂₇ H ₂₉ N ₇ O ₃		
Molecular Weight:	499.56		
Target:	Thrombin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : < 0.1 mg/mL (insoluble)
	DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

BIOLOGICAL ACTIVITY

Description	Dabigatran ethyl ester is an emerging oral anticoagulant which is a direct inhibitor of thrombin activity. IC ₅₀ value:Target: thrombin Dabigatran provides a stable anticoagulation effect without any need to perform periodical laboratory controls. Of note, there is a growing amount of clinical evidence which shows its safety and efficacy. For these reasons, Dabigatran may suppose a revolution in oral anticoagulation. Dabigatran etexilate was rapidly converted to Dabigatran, with peak plasma dabigatran concentrations being attained after approximately 1.5 h; the bioavailability of Dabigatran after p.o. administration of Dabigatran etexilate was 7.2%.
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CUSTOMER VALIDATION

- Biochem Pharmacol. 2016 Nov 1;119:76-84.

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REFERENCES

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- [4]. Stefan Blech, Thomas Ebner, Eva Ludwig-Schwellinger, et al. The Metabolism and Disposition of the Oral Direct Thrombin Inhibitor, Dabigatran, in Humans. DMD ,2008 ,

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

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