Dabigatran ethyl ester

Cat. No.: HY-17378
CAS No.: 429658-95-7
Molecular Formula: C₂₇H₂₉N₇O₃
Molecular Weight: 499.56
Target: Thrombin
Pathway: Metabolic Enzyme/Protease
Storage: Powder -20°C 3 years
-4°C 2 years
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro DMSO: < 1 mg/mL (insoluble or slightly soluble)

BIOLOGICAL ACTIVITY

Description: Dabigatran ethyl ester is an emerging oral anticoagulant which is a direct inhibitor of thrombin activity. IC50 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%

CUSTOMER VALIDATION


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REFERENCES


[5]. Dabigatran