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产品名称：Ethyl 3-(2-(((4-carbamimidoylphenyl)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate

产品别名：Dabigatran ethyl ester ；达比加群乙酸乙酯

生物活性：	
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%.
Solvent&Solubility	***In Vitro:*** **DMSO : < 1 mg/mL** (insoluble or slightly soluble)
References	[1]. Simon Michaelis, Anett Marais, Anna K. Schrey, et al. Dabigatran and Dabigatran Ethyl Ester: Potent Inhibitors of Ribosyldihydronicotinamide Dehydrogenase (NQO2). J. Med. Chem., 2012, 55 (8):3934-3944 [2]. Preetpal Singh Sidhu,Aiye Liang, Akul Y. Mehta,et al. Rational Design of Potent, Small, Synthetic Allosteric Inhibitors of Thrombin. J Med Chem. 2011; 54(15): 5522-5531. [3]. Santiago Redondo, Maria-Paz Martínez, Marta Ramajo, et al. Pharmacological basis and clinical evidence of dabigatran therapy. J Hematol Oncol. 2011; 4: 53. [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 , 36 (2) 386-399 [5]. Dabigatran