

YM-75466

Chemical Properties

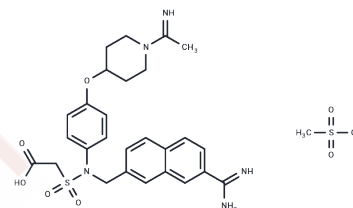
CAS No. : 209187-02-0

Formula: C₂₈H₃₅N₅O₈S₂

Molecular Weight: 633.74

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	YM-75466 is a factor Xa inhibitor. YM-75466 did not prolong coagulation time even at the dose which exerted significant antithrombotic effects, while it decreased TAT level in plasma in a dose-dependent manner.
Targets(IC50)	Factor Xa,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5779 mL	7.8897 mL	15.7793 mL
5 mM	0.3156 mL	1.5779 mL	3.1559 mL
10 mM	0.1578 mL	0.789 mL	1.5779 mL
50 mM	0.0316 mL	0.1578 mL	0.3156 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

Sato K, Kaku S, Hirayama F, Koshio H, Matsumoto Y, Kawasaki T, Iizumi Y. Antithrombotic effect of YM-75466 is separated from its effect on bleeding time and coagulation time. *Eur J Pharmacol.* 1998 Jul 3;352(1):59-63.

PubMed PMID: 9718268.

Sato K, Taniuchi Y, Kawasaki T, Hirayama F, Koshio H, Matsumoto Y, Iizumi Y. Comparison of the anticoagulant and antithrombotic effects of YM-75466, a novel orally-active factor Xa inhibitor, and warfarin in mice. *Jpn J Pharmacol.* 1998 Oct;78(2):191-7. PubMed PMID: 9829622.

Sato K, Taniuchi Y, Kawasaki T, Hirayama F, Koshio H, Matsumoto Y. Relationship between the antithrombotic effect of YM-75466, a novel factor Xa inhibitor, and coagulation parameters in rats. *Eur J Pharmacol.* 1998 Apr 24; 347(2-3):231-6. PubMed PMID: 9653887.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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