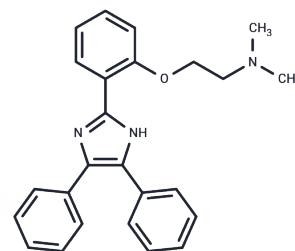


Trifenagrel

Chemical Properties

CAS No. :	84203-09-8
Formula:	C ₂₅ H ₂₅ N ₃ O
Molecular Weight:	383.49
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	Trifenagrel is an antithrombotic. It has been found to produce less gastric irritation and fecal blood loss in humans.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6076 mL	13.0381 mL	26.0763 mL
5 mM	0.5215 mL	2.6076 mL	5.2153 mL
10 mM	0.2608 mL	1.3038 mL	2.6076 mL
50 mM	0.0522 mL	0.2608 mL	0.5215 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

- Abrahams SL, Hazen RJ, Batson AG, Phillips AP. Trifenagrel: a chemically novel platelet aggregation inhibitor. *J Pharmacol Exp Ther.* 1989 May;249(2):359-65. PubMed PMID: 2542526.
- Wolkenberg SE, Wisnoski DD, Leister WH, Wang Y, Zhao Z, Lindsley CW. Efficient synthesis of imidazoles from aldehydes and 1,2-diketones using microwave irradiation. *Org Lett.* 2004 Apr 29;6(9):1453-6. PubMed PMID: 15101765.
- Bharate JB, Abbat S, Sharma R, Bharatam PV, Vishwakarma RA, Bharate SB. Cobalt(II) catalyzed C(sp)-H bond functionalization of alkynes with phenyl hydrazines: facile access to diaryl 1,2-diketones. *Org Biomol Chem.* 2015 May 14;13(18):5235-42. doi: 10.1039/c5ob00419e. PubMed PMID: 25856782.

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