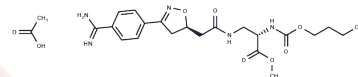


Roxifiban acetate

Chemical Properties

CAS No. :	176022-59-6
Formula:	C ₂₃ H ₃₃ N ₅ O ₈
Molecular Weight:	507.54
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	Roxifiban acetate(DMP 754 acetate) is a potent GP IIb / IIIa antagonist that exhibits antiplatelet aggregation activity via immune mediation and can be used in the study of human thrombocytopenia.
Targets(IC50)	Others,Integrin

Solubility Information

Solubility	DMSO: 7.86 mg/mL (15.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9703 mL	9.8514 mL	19.7029 mL
5 mM	0.3941 mL	1.9703 mL	3.9406 mL
10 mM	0.197 mL	0.9851 mL	1.9703 mL
50 mM	0.0394 mL	0.197 mL	0.3941 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

Murphy J, et al. The use of roxifiban (DMP754), a novel oral platelet glycoprotein IIb/IIIa receptor inhibitor, in patients with stable coronary artery disease. *Am J Cardiovasc Drugs*. 2003;3(2):101-12.

Hantgan RR, Stahle MC. Integrin priming dynamics: mechanisms of integrin antagonist-promoted α IIb β 3: PAC-1 molecular recognition. *Biochemistry*. 2009 Sep 8;48(35):8355-65. doi: 10.1021/bi900475k. PubMed PMID: 19640007.

Barrett YC, Ebling W, Pieniaszek H, Billheimer J, Seiffert D. Validation and implementation of drug-dependent antibody assays in clinical trials for safety monitoring of patients dosed with roxifiban, an orally bioavailable glycoprotein IIb/IIIa antagonist. *J Pharm Biomed Anal*. 2007 Aug 15;44(4):938-46. Epub 2007 Mar 31. PubMed PMID: 17485191.

Mousa SA. In-vitro efficacy of different platelet glycoprotein IIb/IIIa antagonists and thrombolytics on platelet/fibrin-mediated clot dynamics in human whole blood using thrombelastography. *Blood Coagul Fibrinolysis*. 2007 Jan;18(1):55-60. PubMed PMID: 17179828.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481