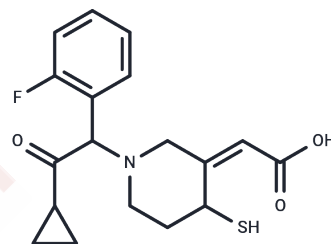


R-138727

Chemical Properties

CAS No. : 204204-73-9
 Formula: C₁₈H₂₀FNO₃S
 Molecular Weight: 349.42
 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	R-138727 is a novel P2Y ₁₂ receptor inhibitor.
Targets(IC ₅₀)	Others,P2Y Receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8619 mL	14.3094 mL	28.6189 mL
5 mM	0.5724 mL	2.8619 mL	5.7238 mL
10 mM	0.2862 mL	1.4309 mL	2.8619 mL
50 mM	0.0572 mL	0.2862 mL	0.5724 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

Sugidachi A, Mizuno M, Ohno K, Jakubowski JA, Tomizawa A. The active metabolite of prasugrel, R-138727, improves cerebral blood flow and reduces cerebral infarction and neurologic deficits in a non-human primate model of acute ischaemic stroke. *Eur J Pharmacol.* 2016 Oct 5;788:132-9. doi: 10.1016/j.ejphar.2016.06.023. Epub 2016 Jun 16. PubMed PMID: 27318323.

Kakarla S, Datla PV, Kodali G, Seru G. Analysis of prasugrel active metabolite R-138727 in human plasma: a sensitive, highly selective and fast LC-MS/MS method. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2016 May 1; 1020:103-10. doi: 10.1016/j.jchromb.2016.03.035. Epub 2016 Mar 24. PubMed PMID: 27038402.

Lukram O, Zarakar M, Kumar Jha C, Parmar S, Tomar KS, Hande A. Electrospray ionization LC-MS/MS validated method for the determination of the active metabolite (R-138727) of prasugrel in human plasma and its application to a bioequivalence study. *Drug Test Anal.* 2012 Feb;4(2):158-66. doi: 10.1002/dta.264. Epub 2011 Mar 25. PubMed PMID: 21438161.

Algaier I, Jakubowski JA, Asai F, von Kügelgen I. Interaction of the active metabolite of prasugrel, R-138727, with cysteine 97 and cysteine 175 of the human P2Y12 receptor. *J Thromb Haemost.* 2008 Nov;6(11):1908-14. doi: 10.1111/j.1538-7836.2008.03136.x. Epub 2008 Aug 22. PubMed PMID: 18752581.

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