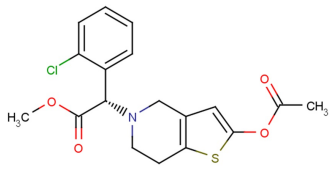
Data Sheet (Cat.No.T17231)

TargetMol
A DRUG SCREENING EXPERT

Vicagrel

Chemical Properties



CAS No.:	1314081-53-2
Formula:	C18H18ClNO4S
Molecular Weight:	379.86
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Vicagrel is a P2Y12 platelet inhibitor potentially for the treatment of thrombosis, the substrate of carboxylesterase 2. Vicagrel demonstrates a favorable safety profile and excellent antiplatelet activity.
Targets(IC_{50})	Others: None

Solubility Information

Solubility	DMSO: 250 mg/mL (658.14 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.633 mL	13.163 mL	26.325 mL
5 mM	0.527 mL	2.633 mL	5.265 mL
10 mM	0.263 mL	1.316 mL	2.633 mL
50 mM	0.053 mL	0.263 mL	0.527 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Liu C, et al. Pharmacokinetics and pharmacokinetic/pharmacodynamic relationship of vicagrel, a novel thienopyridine P2Y12 inhibitor, compared with clopidogrel in healthy Chinese subjects following single oral dosing. Eur J Pharm Sci. 2019 Jan 15;127:151-160.
2. Li X, et al. Evaluation of Tolerability, Pharmacokinetics and Pharmacodynamics of Vicagrel, a Novel P2Y12 Antagonist, in Healthy Chinese Volunteers. Front Pharmacol. 2018 Jun 20;9:643.

Inhibitors · Natural Compounds · Compound Libraries

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