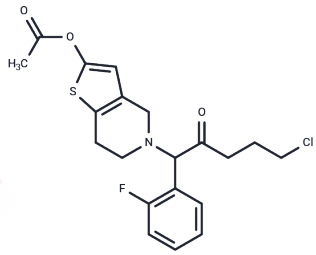
Data Sheet (Cat.No.T12534)

TargetMol

Prasugrel chloride impurity

Chemical Properties



CAS No. : 1056459-37-0

Formula: C20H21ClFNO3S

Molecular Weight: 409.9

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	Prasugrel chloride impurity is an orally active antagonist of P2Y12 receptor, and inhibits ADP-induced platelet aggregation.
Targets(IC50)	Others,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4396 mL	12.1981 mL	24.3962 mL
5 mM	0.4879 mL	2.4396 mL	4.8792 mL
10 mM	0.244 mL	1.2198 mL	2.4396 mL
50 mM	0.0488 mL	0.244 mL	0.4879 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

Hiroyuki Miyata, et al. Method for production of prasugrel hydrochloride having high purity. US20130345428A1.
Sugidachi A, et al. The greater in vivo antiplatelet effects of prasugrel as compared to clopidogrel reflect more efficient generation of its active metabolite with similar antiplatelet activity to that of clopidogrel's active metabolite. J Thromb Haemost. 2007 Jul;5(7):1545-51.

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