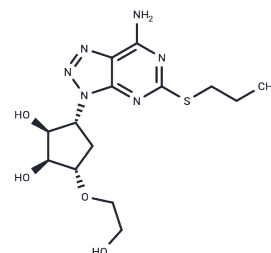


Ticagrelor metabolite M5

Chemical Properties

CAS No. :	1251765-07-7
Formula:	C ₁₄ H ₂₂ N ₆ O ₄ S
Molecular Weight:	370.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ticagrelor metabolite M5 (T437700) is a metabolite of Ticagrelor, the first reversible oral antagonist of P2Y ₁₂ receptor. Compared to Clopidogrel, Ticagrelor has faster and more consistent inhibition on ADP-receptors. Ticagrelor is used in the treatment of acute coronary syndromes (ACS).
Targets(IC ₅₀)	P2Y Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (134.98 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6996 mL	13.4978 mL	26.9957 mL
5 mM	0.5399 mL	2.6996 mL	5.3991 mL
10 mM	0.270 mL	1.3498 mL	2.6996 mL
50 mM	0.054 mL	0.270 mL	0.5399 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.

Reference

Teng R, Oliver S, Hayes MA, Butler K. Absorption, distribution, metabolism, and excretion of ticagrelor in healthy subjects. Drug Metab Dispos. 2010 Sep;38(9):1514-21. doi: 10.1124/dmd.110.032250. Epub 2010 Jun 15. PubMed

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481