

## Product Data Sheet

Product Name: P2Y1/P2Y12 antagonist-1

Cat. No.: GC73238

### Chemical Properties

Cas. No. 2738381-94-5

Formula  $C_{22}H_{18}N_4O_3$

M.Wt 386.4

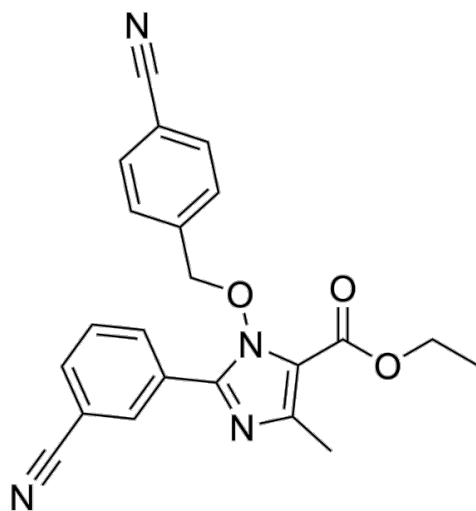
Solubility DMSO : 2 mg/mL (5.18 mM;  
ultrasonic and warming and heat to  
60°C)

Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

P2Y1/P2Y12 antagonist-1 (compound 24w) is an orally available dual inhibitor of P2Y1 and P2Y12 with antiplatelet activity. P2Y1/P2Y12 antagonist-1 inhibits ADP-induced platelet aggregation in rabbit plasma with an IC<sub>50</sub> of 4.23 μM. P2Y1/P2Y12 antagonist-1 exhibits potent inhibitory effects in rat thrombosis model.

References:

**Caution: Product has not been fully validated for medical applications. For research use only.**

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[1]. Lei Y, et al. Switching a Xanthine Oxidase Inhibitor to a Dual-Target Antagonist of P2Y1 and P2Y12 as an Oral Antiplatelet Agent with a Wider Therapeutic Window in Rats than Ticagrelor. J Med Chem. 2020 Dec 24;63(24):15752-15772.

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