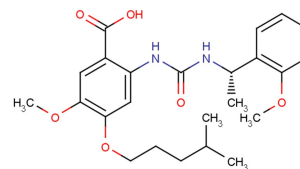


Complement C5-IN-1

Chemical Properties

CAS No.:	2365402-67-9
Formula:	C ₂₄ H ₃₂ N ₂ O ₆
Molecular Weight:	444.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Complement C5-IN-1 is a small-molecule inhibitor of complement component 5 protein (C5).
Targets(IC ₅₀)	Others: None
In vitro	Complement C5-IN-1 (Compound 7) interacts with C5 to prevent its cleavage by the C5 convertase and blocks zymosan-induced the membrane-attack complex (MAC) deposition in 50% human whole blood (IC ₅₀ : 0.77 µM).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.25 mL	11.248 mL	22.496 mL
5 mM	0.45 mL	2.25 mL	4.499 mL
10 mM	0.225 mL	1.125 mL	2.25 mL
50 mM	0.045 mL	0.225 mL	0.45 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Jendza K, et al. A small-molecule inhibitor of C5 complement protein. Nat Chem Biol. 2019 Jul;15(7):666-668.

Inhibitors · Natural Compounds · Compound Libraries

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