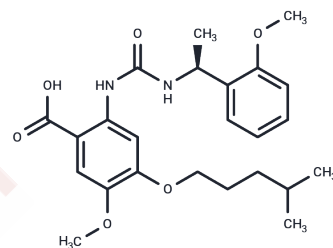


## Complement C5-IN-1

## Chemical Properties

CAS No. :	2365402-67-9
Formula:	C <sub>24</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	444.52
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Complement C5-IN-1 is a small-molecule inhibitor of complement component 5 protein (C5).
Targets(IC50)	Complement System
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 <sub>50</sub> : 0.77μM)[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (202.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2496 mL	11.2481 mL	22.4962 mL
5 mM	0.4499 mL	2.2496 mL	4.4992 mL
10 mM	0.225 mL	1.1248 mL	2.2496 mL
50 mM	0.045 mL	0.225 mL	0.4499 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

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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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