

Ciraparantag acetate

Chemical Properties

CAS No. : 1644388-83-9

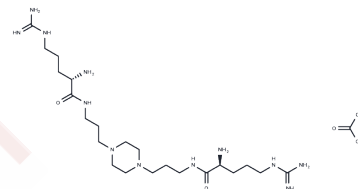
Formula: C₂₄H₅₂N₁₂O₄

Molecular Weight: 572.75

Keep away from moisture

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ciraparantag acetate, an anticoagulant reversal agent, is a small molecule specifically designed to bind noncovalently by charge-charge interaction to unfractionated heparin and low-molecular-weight heparin. It shows binding characteristics that are similar to those of direct oral anticoagulants (DOACs).
Targets(IC50)	Factor Xa,Others,Thrombin

Solubility Information

Solubility	DMSO: 245 mg/mL (427.76 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	1.746 mL	8.7298 mL	17.4596 mL
5 mM	0.3492 mL	1.746 mL	3.4919 mL
10 mM	0.1746 mL	0.873 mL	1.746 mL
50 mM	0.0349 mL	0.1746 mL	0.3492 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

Ansell J , Laulich B E , Bakhru S H , et al. Ciraparantag, an anticoagulant reversal drug: mechanism of action, pharmacokinetics, and reversal of anticoagulants - ScienceDirect[J]. 2021.

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