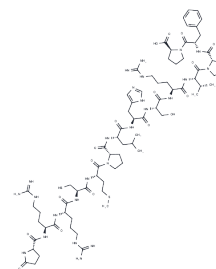


Elabela(19-32)

## Chemical Properties

CAS No. : 1886973-05-2  
 Formula: C75H119N25O17S2  
 Molecular Weight: 1707.03  
 Storage: Keep away from moisture  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Potent apelin (APJ) receptor agonist (Ki = 0.93 nM). Bioactive fragment of ELA-32. Activates Gai1 pathway and $\beta$ -arrestin-2 recruitment. Reduces arterial pressure in rat hearts. Active in vivo.
Targets(IC50)	Apelin receptor, Arrestin

## Solubility Information

Solubility	H2O: 1 mg/mL (0.59 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	0.5858 mL	2.9291 mL	5.8581 mL
5 mM	0.1172 mL	0.5858 mL	1.1716 mL
10 mM	0.0586 mL	0.2929 mL	0.5858 mL
50 mM	0.0117 mL	0.0586 mL	0.1172 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

Murza et al (2016) Discovery and structure-activity relationship of a bioactive fragment of ELABELA that modulates vascular and cardiac functions. J.Med.Chem. 59 2962 PMID:

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