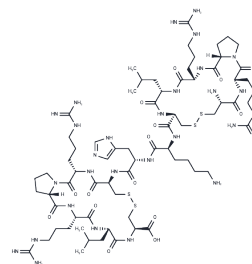


MM 54

## Chemical Properties

CAS No. :	1313027-43-8
Formula:	C70H121N29O15S4
Molecular Weight:	1737.15
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Potent apelin receptor antagonist ( $K_i = 82$ nM; $IC_{50} = 93$ nM). Antagonizes the inhibitory affect of [Pyr1]-Apelin-13 on forskolin-induced cAMP accumulation in CHO-K1-APJ cells. Recuces tumor expansion and lengthens survival time in a mouse xenograft model of glioblastoma.
Targets( $IC_{50}$ )	Apelin receptor

## Solubility Information

Solubility	H2O: 2 mg/mL (1.15 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	0.5757 mL	2.8783 mL	5.7566 mL
5 mM	0.1151 mL	0.5757 mL	1.1513 mL
10 mM	0.0576 mL	0.2878 mL	0.5757 mL
50 mM	0.0115 mL	0.0576 mL	0.1151 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

Macaluso et al (2011) Discovery of a competitive apelin receptor (APJ) antagonist. ChemMedChem 6 1017 PMID:  
Harford-Wright et al (2017) Pharmacological targeting of apelin impairs glioblastoma growth. Brain 140 2939  
PMID:

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481