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**Product Data Sheet**

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Product Name: MM 54  
Cat. No.: GC50310

**Chemical Properties**

Cas. No. 1313027-43-8

Formula  $C_{70}H_{121}N_{29}O_{15}S_4$  M.Wt 1737.15

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Background**

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.

Macaluso et al (2011) Discovery of a competitive apelin receptor (APJ) antagonist. ChemMedChem 6 1017 PMID:21560248 | Harford-Wright et al (2017) Pharmacological targeting of apelin impairs glioblastoma growth. Brain 140 2939 PMID:29053791

**Caution: Product has not been fully validated for medical applications. For research use only.**

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