

Product Data Sheet

Product Name: ELA-14 (human)

Cat. No.: GC50410

Chemical Properties

Cas. No. 1886973-05-2

Formula C₇₅H₁₁₉N₂₅O₁₇S₂

M.Wt 1707.03

Solubility H₂O : 100 mg/mL (58.58 mM; Need ultrasonic) 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 Glp-Arg-Arg-Cys-Met-Pro-Leu-His-Ser-Arg-Val-Pro-Phe-Pro

Background

Potent apelin (APJ) receptor agonist ($K_i = 0.93$ nM). Bioactive fragment of ELA-32 . Activates G α i1 pathway and β -arrestin-2 recruitment. Reduces arterial pressure in rat hearts. Active in vivo. ELA-14 negative control (Cat.No. 6294) also available.

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:26986036

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

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