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	H_2O : 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 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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 (Ki = 0.93 nM). Bioactive fragment of ELA-32 . Activates Gαi1 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA