

---

**Product Data Sheet**

---

Product Name: BigLEN (rat)

Cat. No.: GC50415

**Chemical Properties**

Cas. No. 369377-66-2

Formula C<sub>76</sub>H<sub>128</sub>N<sub>24</sub>O<sub>23</sub> M.Wt 1746

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 GPR171 agonist (EC<sub>50</sub> = 1.6 nM). ProSAAS-derived peptide. Regulates body weight in mice and promotes the outgrowth of neurites in Neuro2A cells.

Gomes et al (2013) GPR171 is a hypothalamic G protein-coupled receptor for BigLEN, a neuropeptide involved in feeding. Proc.Natl.Acad.Sci.USA. 110 16211 PMID:24043826  
|Mack et al (2019) Neuropeptide PEN and its receptor GPR83: distribution, signaling, and regulation. ACS Chem.Neurosci. 10 1884 PMID:30726666

**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

---