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## Product Data Sheet

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Product Name: BigLEN (mouse)

Cat. No.: GC50414

### Chemical Properties

Cas. No. 501036-69-7

Formula  $C_{78}H_{130}N_{24}O_{22}$  M.Wt 1756.03

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

GPR171 agonist. ProSAAS-derived neuropeptide. Regulates food intake in mice. Inhibits the release of glutamate onto parvocellular neurons of the paraventricular nucleus in a process dependent upon activation of postsynaptic G proteins.

Wardman et al (2011) ProSAAS-derived peptides are colocalized with neuropeptide Y and function as neuropeptides in the regulation of food intake. PLoS One 6 e28152

PMID:22164236 | 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.**

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