
Product Data Sheet

Product Name: PEN (mouse)

Cat. No.: GC50417

Chemical Properties

Cas. No. 1236955-25-1

Formula $C_{102}H_{169}N_{27}O_{34}$

M.Wt

2317.62

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**

Endogenous peptide GPR83 agonist. ProSAAS-derived neuropeptide. Activates phospholipase C (PLC)-mediated signaling cascade in mouse hypothalamus.

Gomes et al (2016) Identification of GPR83 as the receptor for the neuroendocrine peptide PEN. Sci.Signal. 9 ra43 PMID:27117253 |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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