

PEN (rat)

Chemical Properties

CAS No. : 569364-13-2

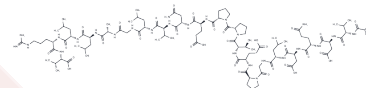
Formula: C102H169N27O33

Molecular Weight: 2301.62

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | PEN (rat) is an Endogenous peptide GPR83 agonist. ProSAAS-derived neuropeptide. |
| Targets(IC50) | GPCR19 |

Solubility Information

| | |
|------------|---|
| Solubility | PBS (pH 7.4): 1 mg/mL (0.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.4345 mL | 2.1724 mL | 4.3448 mL |
| 5 mM | 0.0869 mL | 0.4345 mL | 0.869 mL |
| 10 mM | 0.0434 mL | 0.2172 mL | 0.4345 mL |
| 50 mM | 0.0087 mL | 0.0434 mL | 0.0869 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Mack et al (2019) Neuropeptide PEN and its receptor GPR83: distribution, signaling, and regulation. ACS Chem. Neurosci. 10 1884 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481