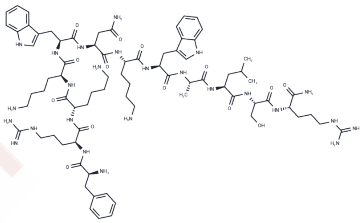
Data Sheet (Cat.No.TP1880)

TargetMol

PAMP-12(human, porcine)

Chemical Properties



CAS No. : 196305-05-2

Formula: C77H119N25O14

Molecular Weight: 1618.95

Storage: Keep away from moisture
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	Potent endogenous peptide agonist of Mas related GPR X2 (MRGPRX2, EC50 = 57.2 nM). Corresponds to amino acids 9 to 20 of proadrenomedullin.
Targets(IC50)	MRGPR

Solubility Information

Solubility	H2O: 1 mg/mL (0.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6177 mL	3.0884 mL	6.1768 mL
5 mM	0.1235 mL	0.6177 mL	1.2354 mL
10 mM	0.0618 mL	0.3088 mL	0.6177 mL
50 mM	0.0124 mL	0.0618 mL	0.1235 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

Kamohara et al (2005) Identification of MrgX2 as a human G-protein-coupled receptor for proadrenomedullin N-terminal peptides. Biochem.Biophys.Res.Commun. 330 1146 PMID:
Lansu et al (2017) In silico design of novel probes for the atypical opioid receptor MRGPRX2. Nat.Chem.Biol. 13 529 PMID:

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