

PAMP-12 (unmodified) acetate

Chemical Properties

CAS No. :

Formula: C77H118N24O15.xC2H4O2

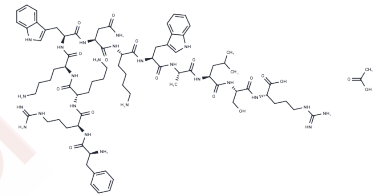
Molecular Weight:

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	PAMP-12 (unmodified) acetate is an endogenous peptide and potent agonist of the MRGPRX2 (MrgX2) receptor with an EC50 ranging from 20 to 50 nM. PAMP-12 (unmodified) mediates hypotensive effects by inhibiting catecholamine secretion from sympathetic nerve endings and adrenal chromaffin cells, serving as a critical tool in the study of neuroimmune interactions and cardiovascular regulation.
Targets(IC50)	Others,Adrenergic Receptor

Reference

Kamohara M, et al. Identification of MrgX2 as a human G-protein-coupled receptor for proadrenomedullin N-terminal peptides. *Biochem Biophys Res Commun.* 2005;330(4):1146-1152.

Chen E, et al. Inflamed Ulcerative Colitis Regions Associated With MRGPRX2-Mediated Mast Cell Degranulation and Cell Activation Modules, Defining a New Therapeutic Target. *Gastroenterology.* 2021;160(5):1709-1724.

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