

Physalaemin

Catalog No: tcsc7112



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

2507-24-6

Formula:

$C_{58}H_{84}N_{14}O_{16}S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

Neurokinin Receptor;Neurokinin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in H₂O

Observed Molecular Weight:

1265.44

Product Description

Physalaemin, a non-mammalian tachykinin, binds selectively to **neurokinin-1 (NK1) receptor** with high affinity.

IC50 & Target: Neurokinin-1 (NK1) receptor^[1]

In Vitro: Physalaemin (PHY), an undecapeptide with the sequence pGlu-Ala-Asp-Pro-Asn-Lys-Phe-Tyr-Gly-Leu-Met-NH₂, is a member of the tachykinin family of neuropeptides. PHY is very close to the mammalian tachykinin substance P (SP) in its function and chemical composition, and SP is well studied and characterized^[1]. Physalaemin is a bradykinin potentiating peptide (BPP-5a)^[2].

PGLU-ADPNKFYGLM-NH₂

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!