



Product Information

Product ID P2993

CAS No. 26145-48-2

Chemical Name

Synonym

Formula $C_{52}H_{82}N_{16}O_{13}S$

Formula Wt. 1171.41

Melting Point

Purity $\geq 95\%$

Solubility

pGlu-Asn-Pro-Asn-Arg-Phe-Ile-Gly-Leu-Met-NH₂

Product ID	Size
P2993	1 mg
P2993	2 mg
P2993	5 mg

Store Temp -20°C

Ship Temp Ambient

Description Phyllomedusin is an amphibian tachykinin neuropeptide that activates neurokinin 1 (NK1) receptors. Phyllomedusin induces contractions in ileal longitudinal muscle and stimulates spasmogenic activity in stomach smooth muscle.

References Ganjiwale AD, Cowsik SM. Three-dimensional structure of Phyllomedusin, a NK1 receptor agonist bound to dodecylphosphocholine micelles. *J Struct Biol.* 2009 Aug;167(2):176-84. PMID: 19409496.

Bertaccini G, Coruzzi G. Action of some natural peptides on the stomach of the anaesthetized rat. *Naunyn Schmiedebergs Arch Pharmacol.* 1977 Jun;298(2):163-6. PMID: 882154.

Széli J, Molina E, Zappia L, et al. Action of some natural polypeptides on the longitudinal muscle of the guinea pig ileum. *Eur J Pharmacol.* 1977 Jun 1;43(3):285-7. PMID: 872882.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.