

Neuromedin C (trifluoroacetate salt) Biochemical

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CATALOG #
AAA227061

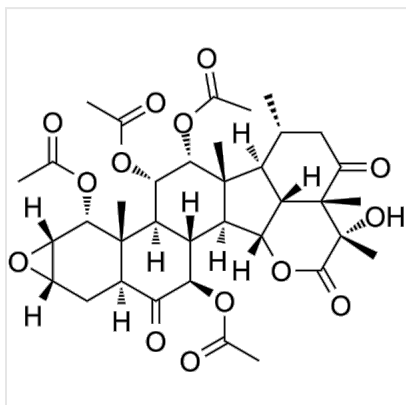
PRODUCT SYNONYMS

Neuromedin C (trifluoroacetate salt); Neuromedin C (trifluoroacetate salt) biochemical

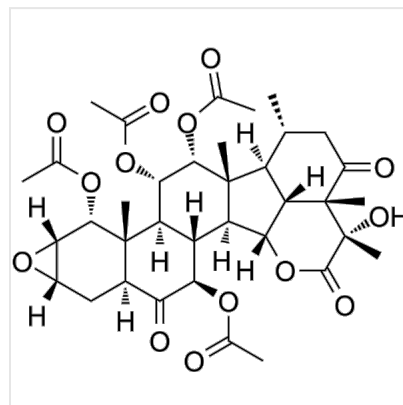
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Taccalonolide C, CAS 117803-96-0



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ADDITIONAL INFORMATION

Related Product Information for Neuromedin C (trifluoroacetate salt) biochemical

Neuromedin C is a bombesin-like neuropeptide that stimulates uterine smooth muscle contraction and the release of gastrin, somatostatin, and amylase in rats. Neuromedin C is a truncated form of gastrin-releasing peptide corresponding to the GRP amino acids 18-27. It inhibits GRP and bombesin binding to rat pancreatic membranes (IC₅₀s = 0.4 and 2.2 nM, respectively), which can be reduced by sodium chloride and guanylyl imidodiphosphate. Neuromedin C induces scratching and mast cell degranulation in mice when administered intradermally at doses ranging from 1 to 300 nmol/site, which is inhibited by the BB2 bombesin receptor agonist RC-3095 and reduced in mast cell-deficient mice. Neuromedin C (3.2 nmol/kg, i.p.) reduces rat glucose consumption by approximately 50% for up to one hour.

References

1. Jing Li, et al. Hydrolysis reactions of the taccalonolides reveal structure-activity relationships. J Nat Prod. 2013 Jul 26;76(7):1369-75.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

