

## Neuromedin C (trifluoroacetate salt)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	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.
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481