Kisspeptin-54(trifluoroacetate salt) Biochemical

Kisspeptin-54 (human)(trifluoroacetate salt)

CATALOG #
AAA227074

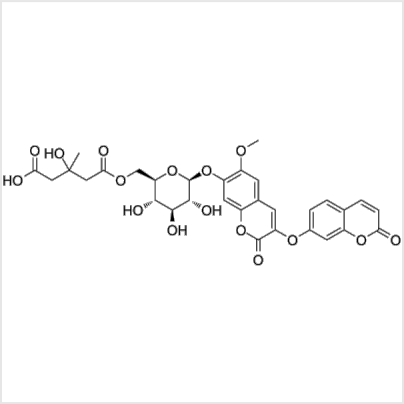
PRODUCT SYNONYMS

Kisspeptin-54(trifluoroacetate salt); Kisspeptin-54 (human)(trifluoroacetate salt); Kisspeptin-54(trifluoroacetate salt) biochemical

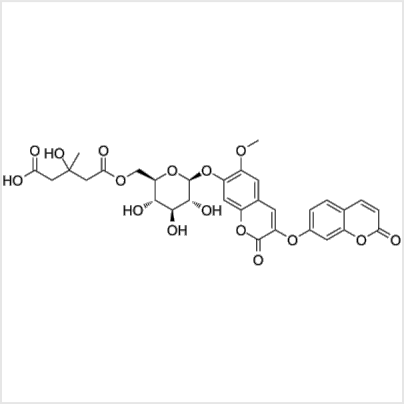
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H2O: 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
Rutarensin, CAS 119179-04-3



Structure
Rutarensin, CAS 119179-04-3

ADDITIONAL INFORMATION

Related Product Information for Kisspeptin-54(trifluoroacetate salt) biochemical	Kisspeptin-54 is a peptide ligand of the orphan G protein-coupled receptor GPR54 (Kis = 1.81 and 1.45 nM for rat and human receptors, respectively).1 It is a 54 amino acid peptide encoded by the metastasis suppressor gene KISS-1. Kisspeptin-54 induces calcium mobilization in CHO-K1 cells expressing rat and human receptors (EC50s = 1.39 and 5.47 nM, respectively). It also induces arachidonic acid release in CHO cells expressing rat and human GPR54 in a concentration-dependent manner. Kisspeptin-54 (10-1,000 nM) inhibits insulin secretion from isolated mouse pancreatic beta-cells in the presence of 2.8 mM, but not 11.1 mM, glucose.2 Kisspeptin-54 (1-5 nmol, i.c.v.) increases serum levels of luteinizing hormone (LH) and follicular stimulating hormone (FSH) in mice, an effect which is reversed by the gonadotropin releasing hormone (GNRH) antagonist acycline.3
References	1. Fischer H, et al. A new biscoumarin glucoside ester from Ruta chalepensis cell cultures [published correction appears in Planta Med. 1989 Feb;55(1):93]. Planta Med. 1988;54(5):398-400.

NCBI AND UNIPROT INFORMATION

Molecular Weight	658.565

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.

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Online datasheet: https://stage.aaabiotech.com/biochemical/kisspeptin-54-trifluoroacetate-salt/227074