

Kisspeptin-54(trifluoroacetate salt) Biochemical

Kisspeptin-54 (human)(trifluoroacetate salt)

CATALOG #
AAA227074

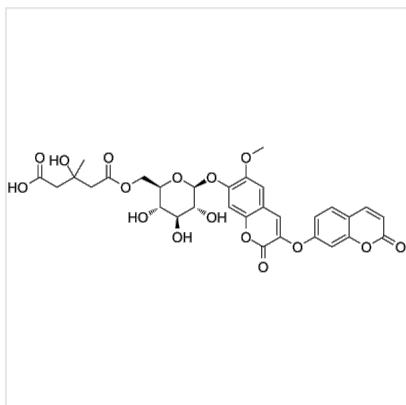
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

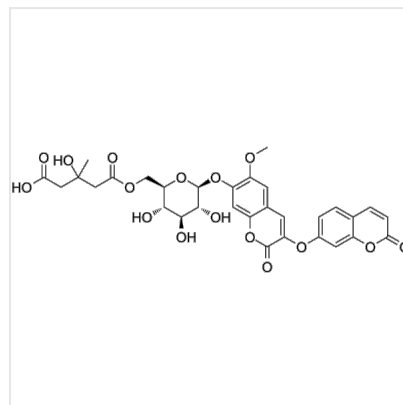
Purity/Purification	98%
Solubility	H ₂ O: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/biochemical/kisspeptin-54-trifluoroacetate-salt/227074>