

GRP (trifluoroacetate salt) Biochemical | GRP biochemical

GRP (human)(trifluoroacetate salt)

CATALOG #
AAA227223

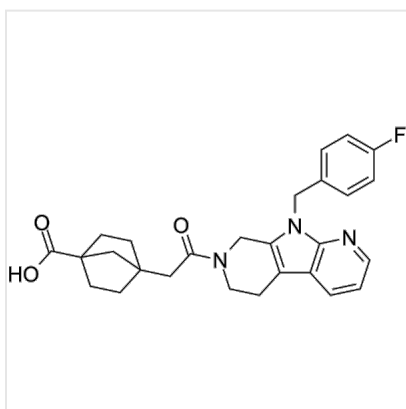
PRODUCT SYNONYMS

GRP (trifluoroacetate salt); GRP (human)(trifluoroacetate salt); GRP biochemical

PRODUCT SPECIFICATIONS

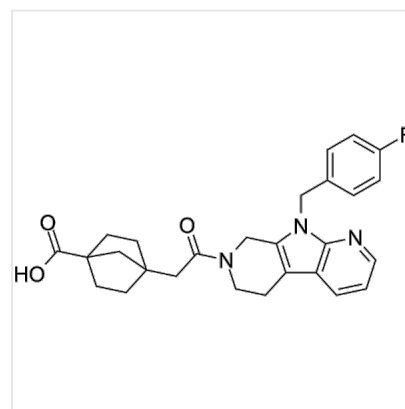
Purity/Purification	98%
Solubility	H ₂ O: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vivo, GRP (0.35 nmol/kg/h) increases both pancreatic exocrine secretion and pancreatic polypeptide (PP) release in rats. It dose-dependently stimulates gastrin, pancreatic amylase, lipase, bilirubin, and acid output and induces gallbladder contraction in humans when administered at doses ranging from 1 to 27 pmol/kg per hour.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

ONO-8430506, CAS 1354805-08-5



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ADDITIONAL INFORMATION

Related Product Information for GRP biochemical	Gastrin-releasing peptide (GRP) is a neuropeptide that stimulates gastrin release. It binds to ($K_i = 300$ nM) and stimulates amylase secretion in rat pancreatic AR42J cells ($EC_{50} = 0.3$ nM). GRP increases proliferation of human liver carcinoma HepG2 and MHCC97H cells but does not affect the proliferation of normal HL-7702 liver cells at a concentration of 1 nM.
References	- Matthew G K Benesch, et al. Inhibition of autotaxin delays breast tumor growth and lung metastasis in mice. FASEB J. 2014 Jun;28(6):2655-66. - Hiroshi Saga, et al. A novel highly potent autotaxin/ENPP2 inhibitor produces prolonged decreases in plasma lysophosphatidic acid formation in vivo and regulates urethral tension. PLoS One. 2014 Apr 18;9(4):e93230. - Yuzo Iwaki, et al. ONO-8430506: A Novel Autotaxin Inhibitor That Enhances the Antitumor Effect of Paclitaxel in a Breast Cancer Model. ACS Med Chem Lett. 2020 May 14;11(6):1335-1341.

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://www.aaabiotech.com/biochemical/grp-trifluoroacetate-salt/227223>