

Rhamnocitrin 3-glucoside Biochemical

Rhamnocitrin 3-glucoside

CATALOG #
AAA229034

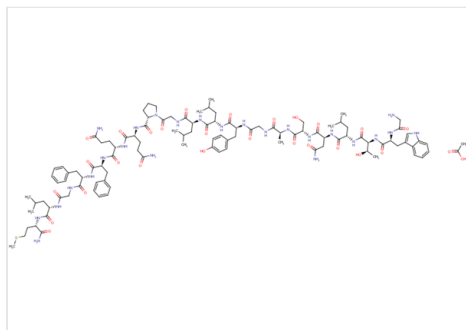
PRODUCT SYNONYMS

Rhamnocitrin 3-glucoside; Galantide acetate(138579-66-5 Free base); Rhamnocitrin 3-glucoside biochemical

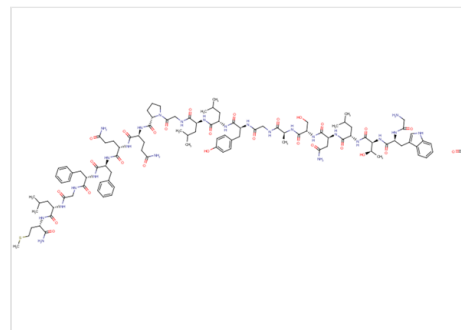
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Formula	C22H22O11
CAS	41545-37-3
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Eleutherococcus sieboldianus (Makino) Koidz. is a local product from the area in and around Yonezawa City in Yamagata Prefecture, Japan. It has been used as a medicinal plant for a long time. METHODS AND RESULTS: We isolated and identified four types of flavonoid glycosides [astragalin (1), isoquercetin (2), rhamnocitrin 3-O-glucoside (Rhamnocitrin 3-glucoside, 3), and nicotiflorin (4)], a triterpene [methyl hederagenin (5)], and three types of triterpene glycosides [delta-hederin (6), echinocystic acid 3-O-arabinoside (7), and cauloside B (8)] from the methanol extract of E. sieboldianus, which regulates lipid accumulation in 3T3-L1 preadipocytes. Among the compounds isolated, 2 and 8 up- and down-regulated lipid accumulation and insulin induced adipocyte differentiation in 3T3-L1 preadipocytes. CONCLUSIONS: Compound 2 induced up-regulation of lipid accumulation and decreased adipocyte size, while 8 down-regulated lipid accumulations without decreasing cell size. Additionally, 2 increased adipogenic proteins [peroxisome proliferator-activated receptor gamma (PPARgamma), CCAAT/enhancer-binding protein alpha (C/EBPalpha), and fatty-acid-binding protein 4 (FABP4)]. In contrast, 8 decreased the levels of all adipogenic proteins and glucose transporter type 4 (GLUT4), but increased adiponectin.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Galantide acetate, CAS N/A



Structure
Galantide acetate, CAS N/A

ADDITIONAL INFORMATION

Product Categories/Family for
Rhamnocitrin 3-glucoside biochemical

Neuroscience; GPCR/G Protein

NCBI AND UNIPROT INFORMATION

Molecular Weight	2259.58
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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/rhamnocitrin-3-glucoside/229034>