

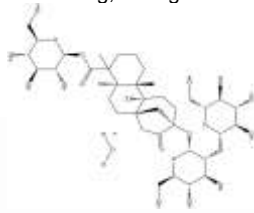
PRODUCT: Stevioside hydrate

ALTERNATE NAME: (2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl (4R,4aS,6aR,9S,11aR,11bS)-9-(((2S,3R,4S,5S,6R)-4,5-dihydroxy-6-(hydroxymethyl)-3-(((2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)oxy)-4,11b-dimethyl-8-methylenetetradecahydro-6a,9-methanocyclohepta[α]naphthalene-4-carboxylate, hydrate

CATALOG #: B1242-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{38}H_{60}O_{18} \cdot xH_2O$

MOLECULAR WEIGHT: 804.87 (anhydrous basis)

CAS NUMBER: 57817-89-7 (anhydrous)

APPEARANCE: White Solid

SOLUBILITY: H_2O (>20 mg/ml)

PURITY: $\geq 95\%$ by HPLC

STORAGE: Store at $-20^\circ C$. Protect from air and light.

DESCRIPTION: Stevioside is an antidiabetic and antihyperglycaemic and antihypoglycaemic agent. Potentiates insulin secretion. Enhances acetyl-CoA carboxylase (ACC) gene expression. Increases insulin sensitivity. Displays antihypertensive and anticancer properties. Anti-inflammatory. IKK β , NF- κ B and MAPK signaling inhibitor. Induces TNF- α , IL-1 β and nitric oxide release. Also acts as an immunomodulator.

REFERENCES: Jeppensen, P.B., *et al.* (2003). *Metabolism* **52**, 372.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Dipeptidylpeptidase IV, Human Plasma (**Cat. No. 4709-10**)
 Dipeptidylpeptidase IV, Human Recombinant (**Cat. No. 4710-10, 50, 1000**)
 Dipeptidylpeptidase IV Inhibitor, K 579 (**Cat. No. 1963-1, 5**)
 Dipeptidylpeptidase IV Inhibitor, NVP DPP 728 (**Cat. No. 1964-1, 5**)
 Diprotin A (**Cat. No. 2191-5, 25**)
 Diprotin B (**Cat. No. 2192-5, 25**)
 DiscoveryPak™ DPP-4 Inhibitors Set (**K890-5**)
 DPP4 Activity Assay Kit (**Cat. No. K779-100**)
 DPP4 Inhibitor Screening Kit (**Cat. No. K780-100**)
 Linagliptin (**Cat. No. 2240-50, 250**)
 MK-3102 (**Cat. No. 9599-1,5**)
 Sitagliptin Phosphate Monohydrate (**Cat. No. 1757-100, 1G**)
 Stevioside hydrate (**Cat. No. B1242-5,25**)
 Vlidagliptin (**Cat. No. 2188-10, 50**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**