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## DATASHEET

Stevioside hydrate

### Product overview

<b>Name</b>	Stevioside hydrate
<b>Cat No</b>	HB4094
<b>Purity</b>	>95%
<b>Description</b>	Glycoside with various biological actions

### Biological Data

<b>Biological description</b>	Noncaloric natural sweetener, 300 times more potent than sucrose. Antidiabetic. Antihyperglycaemic and antihypoglycaemic. Potentiates insulin secretion. Enhances acetyl-CoA carboxylase (ACC) gene expression. Increases insulin sensitivity. Antihypertensive. Ca <sup>2+</sup> influx inhibitor. Anticancer compound. Chemopreventive. Anti-inflammatory. IKKbeta, NF-kappaB and MAPK signaling inhibitor. Induces TNF-alpha, IL-1beta and nitric oxide release. Immunomodulator. Increases phagocytic activity, haemagglutination antibody titre, delayed type hypersensitivity. Increased proliferation in LPS and Con A stimulated B and T cells. Peripheral $\mu$ -opioid receptors activator. Important for regulation of glucose homeostasis. Anti-atherosclerotic.
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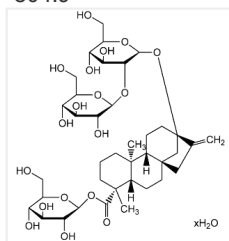
### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Storage of solutions</b>	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
<b>Shipping Conditions Important</b>	Stable for <b>ambient temperature</b> shipping. Follow storage instructions on receipt. This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

**Molecular Weight**  
**Chemical structure**

804.9



**CAS Number**  
**InChiKey**  
**Appearance**

57817-89-7 (anhydrous)  
UEDUENGHJMELGK-ZBVPAOMMSA-N  
White solid