

Product Datasheet

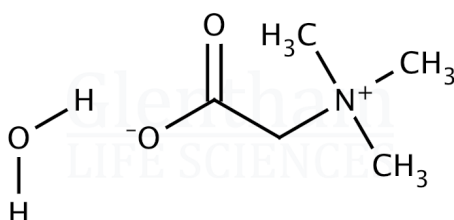
GE7265 - Betaine monohydrate

Product Details

Product Name	Betaine monohydrate
Glentham Code	GE7265
CAS Number	590-47-6
EINECS	209-684-7
PubChem SID	310267783
Numéro MDL	MFCD00150010
Related Categories	Amino Acids, Biochemicals

Structure

Molecular Weight : 135.16
Molecular Formula : $C_5H_{11}NO_2 \cdot H_2O$



Storage

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

Physical Description : Colourless crystals, or white to almost white crystalline powder

Identification (IR) : To conform to standard
Solubility (5% in water) : Clear, colourless solution
Residue on Ignition : $\leq 0.1\%$
Loss on Drying : $\leq 20.0\%$ (105°C, 2h)
Assay : 98.5 - 101.5 %
Version : v1.1

About Betaine monohydrate

The monohydrate form of the quaternary ammonium zwitterion, betaine, which has a ubiquitous presence as an organic osmolyte in animals, plants and microorganisms. It is used in cosmetics and nutritional applications, and has been used in anti-cancer drug studies.

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