

## Product Datasheet

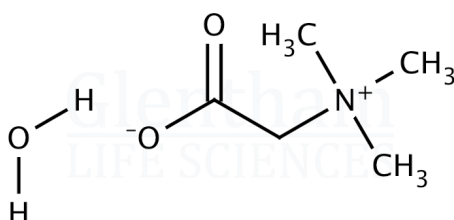
### GE7265 - Betaine monohydrate

#### Product Details

Product Name	Betaine monohydrate
Glentham Code	GE7265
CAS Number	590-47-6
EINECS	209-684-7
PubChem SID	310267783
MDL Number	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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025