

## Product Datasheet

### GE3671 - Betaine hydrochloride

Pictograms

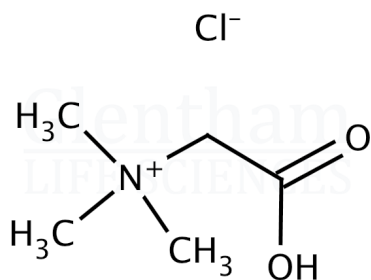


#### Product Details

Product Name	Betaine hydrochloride
Glentham Code	GE3671
CAS Number	590-46-5
EINECS	209-683-1
MDL Number	MFCD00011903
PubChem SID	310267782
Related Categories	Amino Acids, Biochemicals

#### Structure

Molecular Weight	: 153.61
Molecular Formula	: $C_5H_{11}NO_2 \cdot HCl$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Eye Irr. 2A
Signal Word	Warning
Hazard Codes	H319
Precautionary Codes	P305+P351+P338

#### Glentham Product Specification

Physical Description	: White powder or crystals
Assay	: $\geq 98.0\%$ (dried basis)
Loss on Drying	: $\leq 0.5\%$
pH	: 0.8 - 1.2
Heavy Metals	: $\leq 10\text{ppm}$
Residue on Ignition	: $\leq 0.1\%$
Lead (Pb)	: $\leq 3\text{ppm}$
Arsenic (As)	: $\leq 1\text{ppm}$
Mercury (Hg)	: $\leq 0.1\text{ppm}$
Cadmium (Cd)	: $\leq 1\text{ppm}$
Pharmacopoeia Specification(s)	: USP
Version	: v1.0

#### About Betaine hydrochloride

The hydrochloride salt 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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