

Product Datasheet

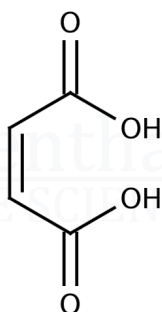
GK3899 - Maleic acid

Product Details

Product Name	Maleic acid
Glenthams Code	GK3899
CAS Number	110-16-7
EINECS	203-742-5
MDL Number	MFCD00063177
PubChem SID	310275979
Related Categories	Buffers, Organics, Organic Acids

Structure

Molecular Weight	: 116.07
Molecular Formula	: C ₄ H ₄ O ₄



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

CLP Classification	Skin Irr. 2, Skin Sens. 1, Eye Irr. 2A, STOT SE 3, Acute Tox. 4
Signal Word	Warning
Hazard Codes	H315, H317, H319, H335, H302

Precautionary Codes

P280, P302+P350,
P305+P351+P338, P261,
P301+P312

Pictograms



UN Number, Class, PG (RID)

UN3261 - 8 - PG III

Glenthams Product Specification

Physical Description	: White to almost white crystalline powder
Assay	: 99.0 - 101.0 % (dried substance)
Identification	: According to BP, Ph. Eur.
Appearance of Solution	: 5% in water: Clear, colour ≤Y7
Fumaric acid	: ≤ 1.5%
Iron (Fe)	: ≤ 5ppm
Heavy Metals (as Pb)	: ≤ 10ppm
Water	: ≤ 2.0%
Sulphated Ash	: ≤ 0.1%
Pharmacopoeia Specification(s)	: BP, Ph. Eur.
Version	: v1.1

About Maleic acid

Maleic acid is a dicarboxylic acid that forms a solid at room temperature. It is most commonly used as a raw material in the production of fumaric acid and glyoxalic acid. Within a laboratory setting, it is often used in the preparation of maleate buffer solutions.