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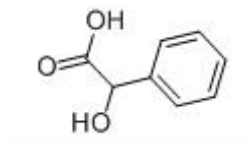
Site: www.tnjchem.com

Technical Data Sheet

DL-Mandelic Acid

Product Information

Chemical Name	DL-Mandelic Acid
CAS #	611-72-3 / 90-64-2
Formula	C ₈ H ₈ O ₃
Molecular Weight	152.15
Synonyms	Mandelic Acid
Chemical Structure	



Description

Mandelic acid is an aromatic alpha hydroxy acid with the molecular formula C₆H₅CH(OH)CO₂H. It is a white crystalline solid that is soluble in water and polar organic solvents.

It is a useful precursor to various drugs.

Since the molecule is chiral, it exists in either of two enantiomers as well as the racemic mixture, known as paramandelic acid.

Physical Properties

Melting point, °C .	119-121 °C(lit.)
Boiling point, °C	322
Density @ 20°C, g/cm ³	1.30
Soluble	150 g/L (20 °C)

Specification

Item	Pharma grade/Cosmetic grade
Appearance	White crystalline powder
Assay (on dry basis), %	99.0 Min
Moisture, %	0.30 Max

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

As a pharmaceutical intermediate, Mandelic acid is used in herbicides, dye intermediate as well as an analytic reagent, its appearance is white crystal powder.

Packaging

25kg per fiber drum
9mt per 20ft container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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