

Rexar Technical Compound Datasheet

Product Name: Magnesium L-threonate

Chemical Name: Magnesium bis[(2R,3S)-2,3,4-trihydroxybutanoate]

CAS Number: 778571-57-6

PubChem CID: 45489777

Synonyms:

- Magnesium L-threonate
 - Magnesium 2,3,4-trihydroxybutanoate
 - L-Threonic acid magnesium salt
 - Magnesium bis-L-threonate
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Chemical Information

Molecular Formula: C₈H₁₄MgO₁₀

Molecular Weight: 294.49 g/mol

IUPAC Name: Magnesium bis[(2R,3S)-2,3,4-trihydroxybutanoate]

SMILES:

C(C(C(=O)[O-])O)C(C(C(=O)[O-])O)O.[Mg+2]

InChIKey:

UXRGZIAUSBOYRF-QMMMGPBSA-L

Appearance:

White to off-white powder

Solubility:

Soluble in water; stable under normal laboratory conditions

Applications

- Analytical reference for magnesium-organic salts
 - Research on metal ion coordination and transport mechanisms
 - Compatibility and stability studies in controlled laboratory environments
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Storage & Handling

Storage Temperature:

15–25 °C

Environment:

Store in a dry, dark, and well-ventilated area

Handling:

Use appropriate laboratory PPE and standard safety procedures

Packaging:

Supplied in sealed containers suitable for laboratory use

Additional Notes

- Offered exclusively for technical, analytical, and research applications
- Not intended for pharmaceutical or nutritional use
- For full compound data, refer to:

<https://pubchem.ncbi.nlm.nih.gov/compound/45489777>