

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: [76963881](#)

Synonyms:

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

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 lab conditions

☐ Applications

- Analytical reference for magnesium-organic salts
 - Research on metal ion transport and binding
 - Compatibility and stability studies in controlled 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 PPE under standard lab protocols

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: [PubChem CID 76963881](#)