



Product Information

Magnesium (2R,3S)-2,3,4-trihydroxybutanoate, MW 294.5, ≥95%

Cat. No.: X24-04-XQ124

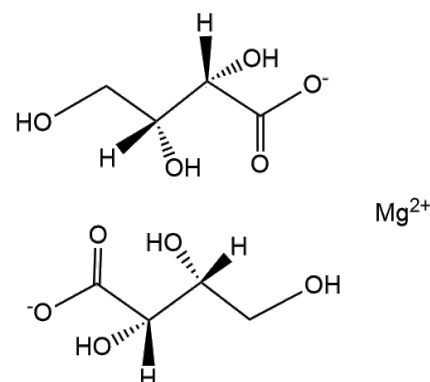
Size: 1 g; 5 g; 25 g

CAS Number: 778571-57-6

Compound CID: 45489777

Synonym: 778571-57-6; Magnesium L-threonate

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Magnesium (2R,3S)-2,3,4-trihydroxybutanoate is a salt with multiple hydroxy functional groups. Magnesium (2R,3S)-2,3,4-trihydroxybutanoate is a high-quality product with a molecular weight of 294.5 and a high purity level of ≥95%.
Molecular Weight	294.5
Molecular Formula	C ₈ H ₁₄ MgO ₁₀
IUPAC Name	Magnesium; (2R,3S)-2,3,4-Trihydroxybutanoate
InChI	InChI=1S/2C4H8O5.Mg/c2*5-1-2(6)3(7)4(8)9;/h2*2-3,5-7H,1H2,(H,8,9);/q;;+2/p-2/t2*2-,3+;/m00./s1
InChI Key	YVJOHOWNFPQSPP-BALCVSAKSA-L
Canonical SMILES	C(C(C(C(=O)[O-])O)O)O.C(C(C(C(=O)[O-])O)O)O.[Mg+2]
Isomeric SMILES	C([C@@H]([C@H](C(=O)[O-])O)O)O.C([C@@H]([C@H](C(=O)[O-])O)O)O.[Mg+2]
Form	White powder
Purity	≥95%
Applications	Magnesium (2R,3S)-2,3,4-trihydroxybutanoate with the molecular weight of 294.5 and a purity greater than 95% can be used for the study of the examination of metal-ion interactions in biological systems.
Storage	Store at 4°C.