

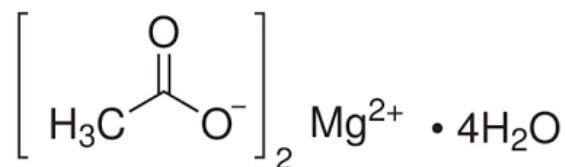
FT-VPV36A



Magnesium Acetate

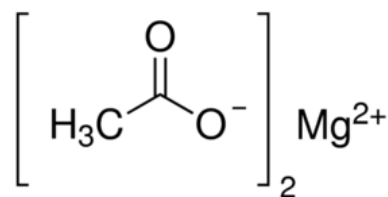
Product Description

Name :	Magnesium Acetate, Tetrahydrate Syn.: magnesium;diacetate;tetrahydrate ; Cromosa; Acetic acid magnesium salt
Catalog Number :	VPV36A, 250g VPV36A, 1kg VPV36C, 5kg □
Properties:	MW: 214.45 (TetraHydr.) Soluble in 1% acetic acid (100 mg/mL).
Specifications:	Appearance : White crystals Purity : >99% Melting Point 72-75 °C(Lit.)



Research Use Only (RUO).

Name :	Magnesium Acetate Syn.: magnesium;diacetate; Acetic acid magnesium salt
Catalog Number :	136258, 250g 13625A, 1kg □
Properties:	MW: 142.39 (Anhyd.)
Specifications:	Appearance : White crystals Purity : >95%



Research Use Only (RUO).

Storage : Ambiante Temperature ⁽²⁾

Applications

Magnesium acetate is used in the laboratory as a reagent. It is commonly used as a source of magnesium or for the acetate ion in chemistry experiments. In some instances, it may be used as a source of acetate ions in chemical research.

Magnesium acetate has been widely used in the crystallization of proteins.

FT-VPV36A

Magnesium acetate tetrahydrate is a highly bioavailable hydrated magnesium salt. It is sometimes used as an electrolyte supplement. Such sources of magnesium have been shown to be essential for proper nerve signalling, as well as bone mineralization and ordinary enzymatic function. Magnesium has a variety of biological roles in enzymology, cell membrane and wall structural integrity, muscle cell physiology, and nucleic acid structure. Magnesium is an essential co-factor in many enzymes, including deoxyribonuclease (DNase), the restriction enzymes EcoR I and EcoR V, and Ribonuclease H. Magnesium also stabilizes polymeric nucleic acids such as transfer RNA and ribozymes.

When magnesium acetate is allowed to react with hydrogen peroxide, the reaction products demonstrate noted bactericidal properties. This bactericidal effect extends to both Gram-positive and Gram negative bacteria [[Vigo 1997](#)].

Handling

Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

Personal Protective Equipment Eyeshields, Gloves, respirator filter

RTECS Number AI5600000

Related products

Magnesium Chlorid, Anhydrous #[GS306A](#)

Magnesium Chloride, Hexahydrate #[08849A](#)

Magnesium Chloride, Hewahydrate #13646J

Potassium Acetate #03807M

Sodium Acetate #038089

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

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