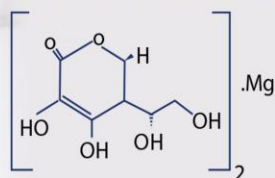


MAGNESIUM ASCORBATE



PRODUCT IN FOCUS

EXSYN[®]
ESSENTIAL CHEMISTRY

Magnesium ascorbate

INTRODUCTION

Magnesium ascorbate is a buffered (non-acidic) form of Vitamin C and a source of the essential mineral Magnesium. This does not contribute to gastric irritation in acid-sensitive persons.

Manufacture

Magnesium ascorbate is synthesized from a combination of Ascorbic acid and Magnesium to form Magnesium ascorbate.

Synonyms	Ascorbic acid magnesium salt (+)-Magnesium L-ascorbate
CAS no.	15431-40-0
EINECS no.	239-442-6
Molecular formula	C ₁₂ H ₁₄ MgO ₁₂
Molecular weight	374.54
Structure	<p>The image shows the chemical structure of Magnesium Ascorbate. It consists of two ascorbate anions (ascorbate) coordinated to a magnesium cation (Mg). The ascorbate anion is shown in brackets with a subscript of 2, and the magnesium cation is shown as .Mg. The ascorbate anion is a five-membered lactone ring with two hydroxyl groups on the double bond and two hydroxyl groups on the adjacent carbon atoms.</p>

APPLICATIONS

Magnesium ascorbate has many therapeutic uses:

- ✔ Eclampsia
- ✔ Atrial Fibrillation
- ✔ General health
- ✔ Malabsorption of magnesium
- ✔ Migraine

Also, it

- ✔ is an important antioxidant, helping to protect cells from the damaging effects of oxidation.
- ✔ contributes to the normal synthesis of collagen, which is important for the function of bones, teeth and gums, blood vessels, cartilage, and skin.
- ✔ helps to maintain a healthy nervous system.

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SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Off-white to tan
Magnesium content (as is basis)	%	6.1 – 6.6
Ascorbic acid content (as is basis)	%	Min 80.0
Water	%	Min 5.0
Effervescence	-	Should not be detected
Oxalate	-	Should pass the test
Cadmium	ppm	Max 5.0
Arsenic	ppm	Max 3.0
Lead	ppm	Max 1.0
Microbial test:		
Aerobic plate count	cfu/g	Max 1000
Yeast & Mold	cfu/g	Max 100
Total Coliforms	-	Should be negative

PACKING

20 kg HDPE drum.

STORAGE

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

CERTIFICATIONS

GMP, ISO 9001:2015, FSSAI

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.