

Product Data Sheet

Product Name: (+)-Magnesium L-ascorbate

Cat. No.: GD18006

Chemical Properties

Cas. No. 15431-40-0

Formula $C_6H_8O_6 \cdot 1/2Mg$

M.Wt 187.27

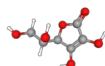
Solubility

Storage 4°C, sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

L-Ascorbic acid (L-Ascorbate) magnesium, an electron donor, is an endogenous antioxidant. L-Ascorbic acid selectively inhibits Cav3.2 channels with an IC₅₀ of 6.5 μM. L-Ascorbic acid is also a collagen deposition promoter and elastin production inhibitor. L-Ascorbic acid exhibits anticancer effects by generating reactive oxygen species (ROS) and selectively damaging cancer cells [1][2][3][4].

References:

[1]. Sebastian J Padayatty, et al. Vitamin C as an antioxidant: evaluation of its role in disease prevention. J Am Coll Nutr. 2003 Feb;22(1):18-35.

Caution: Product has not been fully validated for medical applications. For research use only.

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