

L-Carnitine

Catalog No: tcsc2495



Available Sizes

Size: 5g

Size: 10g



Specifications

CAS No:

541-15-1

Formula:

$C_7H_{15}NO_3$

Pathway:

Metabolic Enzyme/Protease

Target:

Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 50 mg/mL (310.17 mM)

Alternative Names:

Levocarnitine

Observed Molecular Weight:

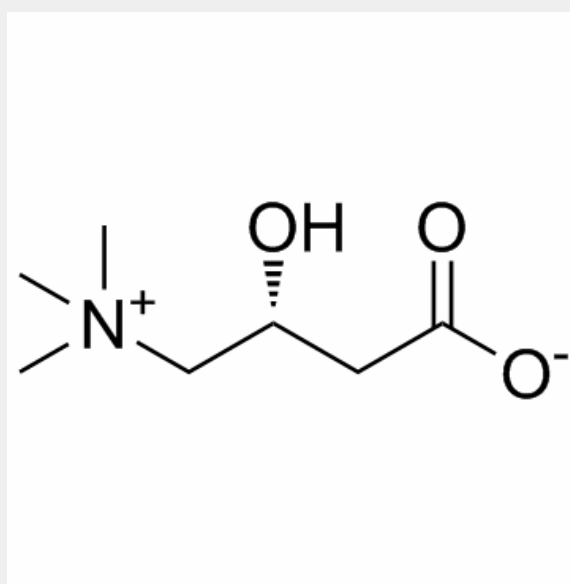
161.2

Product Description

L-carnitine is constituent of striated muscle and liver. It is used therapeutically to stimulate gastric and pancreatic secretions and in the treatment of hyperlipoproteinemias.

Target: Others

L-Carnitine is an endogenous molecule involved in fatty acid metabolism, biosynthesized within the human body using amino acids: L-lysine and L-methionine, as substrates. L-Carnitine can also be found in many foods, but red meats, such as beef and lamb, are the best choices for adding carnitine into the diet [1]. Administering L-carnitine (510 mg/day) to patients with the disease. L-carnitine treatment significantly improved the total time for dozing off during the daytime, calculated from the sleep logs, compared with that of placebo-treated periods. L-carnitine efficiently increased serum acylcarnitine levels, and reduced serum triglycerides concentration [2]. L-carnitine and its derivatives show promise in the treatment of chronic conditions and diseases associated with mitochondrial dysfunction but further translational studies are needed to fully explore their potential [3].



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