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(C5DC) Glutarylcarnitine

http://www.lumiprobe.com/p/glutarylcarnitine

The role of glutarylcarnitine in the body, like that of other acylcarnitines, is in facilitating the transport of fatty acids into mitochondria for beta-oxidation, therefore glutarylcarnitine is used in the diagnosis of metabolic disorders.

The product is used primarily as a control for MS/MS.

Glutarylcarnitine has a wide range of potential uses in both research and clinical applications. Glutarylcarnitine and carnosylcarnitine may be biomarkers for the diagnosis of autism spectrum disorders. Glutarylcarnitine has been studied as a potential therapeutic agent in the treatment of diabetes, metabolic syndrome, and obesity.

Structure of (C5DC) Glutarylcarnitine

General properties

Appearance: white solid Molecular weight: 311.76

CAS number: 102636-82-8 (inner salt)

Molecular formula: $C_{12}H_{22}CINO_6$ Solubility: DMSO, ethanol

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and

efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic

products.