

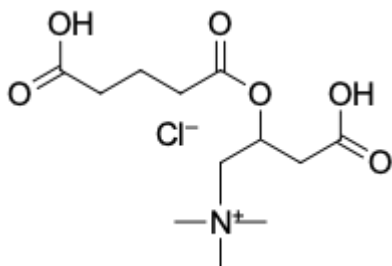
## (C5DC) Glutaryl carnitine

<http://www.lumiprobe.com/p/glutaryl carnitine>

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

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

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



**Structure of (C5DC) Glutaryl carnitine**

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### General properties

Appearance: white solid

Molecular weight: 311.76

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

Molecular formula: C<sub>12</sub>H<sub>22</sub>ClNO<sub>6</sub>

Solubility: DMSO, ethanol

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

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

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