

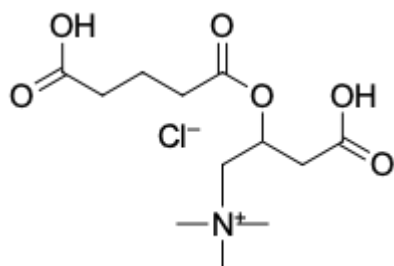
## (C5DC) Glutarylcarntine

<http://www.lumiprobe.com/p/glutarylcarntine>

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

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

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



**Structure of (C5DC) Glutarylcarntine**

### 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.

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.