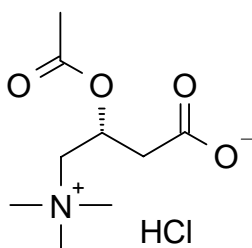


## Product Information

### Carnipure ALC

Formula: C<sub>9</sub>H<sub>18</sub>ClNO<sub>4</sub>

Structural formula:



Molecular weight: 239.70

#### Synonyms

CAS: 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, chloride,(R)-  
CAS RN: 5080-50-2  
Other names: 3-O-Acetyl-L-carnitine hydrochloride  
Acetyl-L-carnitine chloride

#### Applications

Carnipure™ ALC is a high quality Acetyl-L-Carnitine (ALC) product and is the acetyl derivative of Carnipure™.

Supplemental Carnipure™ ALC can cross the blood-brain barrier and acts as a source of acetyl groups for synthesis of acetylcholine.

Carnipure™ ALC is used in Dietary Supplement products to maintain healthy cognitive function.

#### Specifications

Appearance: Crystalline powder  
Color: white  
Identity: positive (IR)  
Assay: 98.0 - 101.0% (w/w) (calc.)  
Heavy metals: max. 20 mg/kg (as Pb,USP)  
Residue on Ignition: max. 0.30% (w/w) (2h,600°C, USP)  
Specific rotation: -28.5 - -27.2° (Na-D 25°C, c=10 in water)

#### Typical Properties

Stability: min. 1 years  
Store in a dry place.  
Melting point: 186°C decomposition  
Water solubility: freely soluble (20°C)

#### Handling

Packaging: fiber drum 25 kg  
Toxicity: LD50 oral (rat): > 5000 mg/kg  
Skin irritation (rabbit): non-irritant  
Mutagenicity: Ames-test negative  
Transport: not restricted  
Inventories: IESCS (China)  
NZIOC (New Zealand)

For further information consult Safety Data Sheet

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information. No statement is intended or should be construed as a recommendation to infringe any existing patent.