

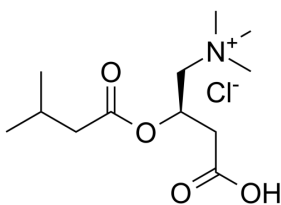
## Isovalerylcarnitine (chloride)

Cat. No.: HY-145542  
 CAS No.: 139144-12-0  
 Batch No.: 155853  
 Chemical Name: 1-Propanaminium, 3-carboxy-N,N,N-trimethyl-2-(3-methyl-1-oxobutoxy)-, chloride, (2R)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{12}H_{24}ClNO_4$   
 Molecular Weight: 281.78  
 Storage: 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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