

Product Data Sheet

Product Name: Isovalerylcarnitine

Cat. No.: GC30332

Chemical Properties

Cas. No. 31023-24-2

SMILES CC(C)CC(O[C@H](CC([O-])=O)C[N+](C)(C)C)=O

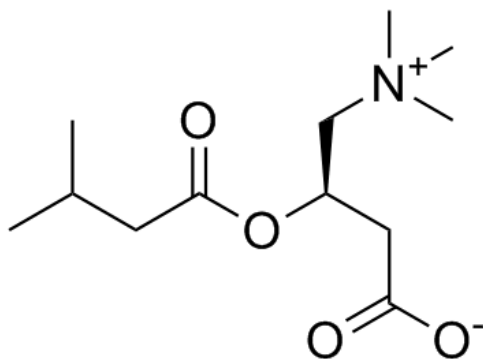
Formula $C_{12}H_{23}NO_4$ M.Wt 245.32

Solubility H_2O : 100 mg/mL (407.63 mM; Need ultrasonic); DMSO : 50 mg/mL (203.82 mM; Need ultrasonic) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Isovalerylcarnitine is a product of the catabolism of L-leucine. It increases calpain activity.

[1]. Pontremoli S, et al. Isovalerylcarnitine is a specific activator of calpain of human neutrophils. Biochem Biophys Res Commun. 1987 Nov 13;148(3):1189-95.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA