
Product Data Sheet

Product Name: 2-Hydroxyisocaproic acid

Cat. No.: GC25011

Chemical Properties

Cas. No. 498-36-2

Formula $C_6H_{12}O_3$ M.Wt 132.16

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

2-hydroxyisocaproic acid (HICA), an amino acid derivative, has broad antibacterial activity.

2-Hydroxyisocaproic acid is not cytotoxic and genotoxic at concentrations

2-Hydroxyisocaproic acid reduces expression of matrix metalloproteinase 9 (MMP-9) and myeloperoxidase (MPO) in a murine chamber model of *C. albicans* biofilm, compared to those of chambers containing caspofungin and PBS.[3]

[1] Sakko M, et al. Mycoses. 2014 Apr;57(4):214-21. [2] Selis D, et al. J Endod. 2019 May;45(5):578-583. [3] Nieminen MT, et al. 2014 Sep;21(9):1240-5.

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

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