

Product Data Sheet

Product Name: DL-Threonine

Cat. No.: GC60783

Chemical Properties

Cas. No. 80-68-2

SMILES N[C@@H]([C@H](O)C)C(O)=O

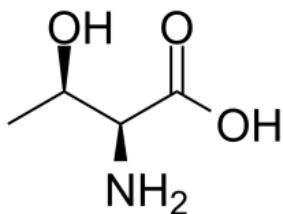
Formula $C_4H_9NO_3$ M.Wt 119.12

Solubility H_2O : 100 mg/mL (839.49 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble) 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



Relative stereochemistry

Background

DL-Threonine, an essential amino acid, has the potential to treat hypostatic leg ulceration[1].

[1]. Harvey SG, et al. L-cysteine, glycine and dl-threonine in the treatment of hypostatic leg ulceration: a placebo-controlled study. *Pharmatherapeutica*, 01 Jan 1985, 4(4):227-230.

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

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