

Product Data Sheet

Product Name: D-Desthiobiotin

Cat. No.: GC35821

Chemical Properties

Cas. No. 533-48-2

SMILES O=C(O)CCCC[C@H]([C@H](C)N1)NC1=O

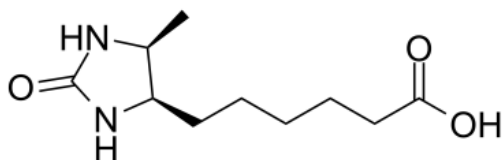
Formula $C_{10}H_{18}N_2O_3$ M.Wt 214.26

Solubility DMSO: 62.5 mg/mL (291.70 mM) Storage Store at 2-8°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

D-Desthiobiotin is a biotin derivative used in affinity chromatography and protein chromatography, also can be used for protein and cell labeling, detection and isolation[1].

[1]. Röhlen DL, et al. Toward a Hybrid Biosensor System for Analysis of Organic and Volatile Fatty Acids in Fermentation Processes. Front Chem. 2018 Jul 17;6:284.

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

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