

Product Data Sheet

Product Name: 3-[2-N-(Biotinyl)aminoethyldithio]propanoic Acid

Cat. No.: GC42241

Chemical Properties

Cas. No. 104582-29-8

SMILES O=C1N[C@@]2([H])[C@@](CS[C@H]2CCCCC(NCCSSCCC(O)=O)=O)([H])N1

Formula C₁₅H₂₅N₃O₄S₃

M.Wt 407.6

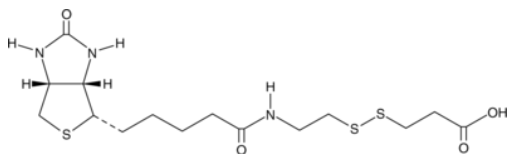
Solubility DMF: 2 mg/ml, DMSO: 25 mg/ml, DMSO:PBS(pH7.2) (1:1): 0.5 mg/ml

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

3-[2-N-(Biotinyl)aminoethyldithio]propanoic acid features a biotin group and propanoic acid separated by a disulfide linkage. The carboxyl group of propanoic acid allows biotinylation of targets through either a chemical or enzymatic acylation reaction. The disulfide bond permits removal of the biotin group with reducing agents.

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

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