

Product Data Sheet

Product Name: Biotin LC hydrazide

Cat. No.: GC42935

Chemical Properties

Cas. No. 109276-34-8

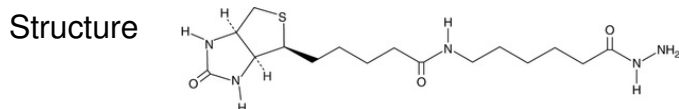
SMILES O=C1N([H])[C@]2([H])[C@]([C@H](CCCCC(N(CCCCCC(N(N)[H])=O)[H])=O)SC2)([H])N1[H]

Formula C₁₆H₂₉N₅O₃S M.Wt 371.5

Solubility DMSO: 5 mg/ml, DMSO:PBS (pH 7.2) (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.



Background

Biotin LC hydrazide is a long chain protein modification reagent, which can transform periodate-oxidized glycoproteins.

Biotin LC hydrazide (BACH) is often used to target glycoproteins and glycans. It is carbohydrate reactive and is more sensitive than biotin hydrazide[1]. A new biotinylation system for DNA using Biotin LC hydrazide (biotin aminocaproyl hydrazide) and glutaraldehyde[2].

References:

[1]. O'Shannessy DJ, et al. Quantitation of glycoproteins on electroblots using the biotin-streptavidin complex. Anal Biochem. 1987 May 15;163(1):204-9.

[2]. Takahashi T, et al. A new biotinylation system for DNA using biotin aminocaproyl hydrazide and glutaraldehyde. Nucleic Acids Res. 1989 Jun 26;17(12):4899-900.

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