

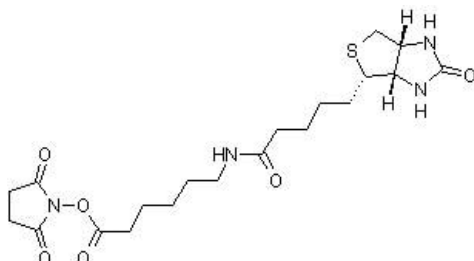
Product datasheet

Biotin-LC-NHS (Succinimidyl 6-(biotinamido)hexanoate), Amine-reactive biotinylation agent ab145617

1 Image

Overview

Product name	Biotin-LC-NHS (Succinimidyl 6-(biotinamido)hexanoate), Amine-reactive biotinylation agent
Description	Amine-reactive, medium length biotinylation agent
Biological description	Amine-reactive, medium length (22.4 angstroms) biotinylation agent. Forms irreversible amide links via an NHS ester group at the end of the spacer arm. Suitable for use under alkaline conditions (pH~8-9). Biotin-LC-LC-NHS (ab145618) also available.
Purity	> 95%
CAS Number	72040-63-2
Chemical structure	



Properties

Chemical name	(2,5-Dioxopyrrolidin-1-yl) 6-[5-[(3 <i>a</i> S,4 <i>S</i> ,6 <i>a</i> R)-2-oxo-1,3,3 <i>a</i> ,4,6,6 <i>a</i> -hexahydrothieno[3,4- <i>d</i>]imidazol-4-yl]pentanoylamino]hexanoate
Molecular weight	454.54
Molecular formula	C ₂₀ H ₃₀ N ₄ O ₆ S
PubChem identifier	83874
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

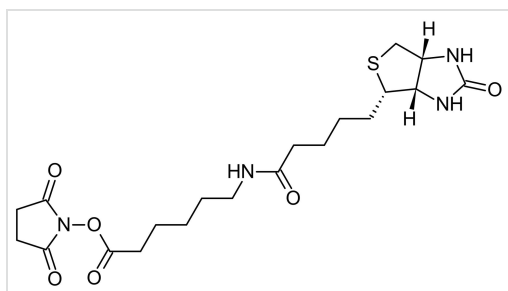
Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

C1CC(=O)N(C1=O)OC(=O)CCCCNC(=O)CCCC[C@H]2[C@@H]3[C@H](CS2)NC(=O)N3

Source

Synthetic

Images

2D chemical structure image of ab145617, Biotin-LC-NHS (Succinimidyl 6-(biotinamido)hexanoate), Amine-reactive biotinylation agent

Chemical Structure - Biotin-LC-NHS (Succinimidyl 6-(biotinamido)hexanoate), Amine-reactive biotinylation agent (ab145617)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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