



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

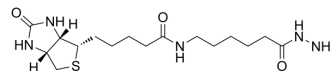
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Biotin LC hydrazide

Cat. No.:	HY-101885
CAS No.:	109276-34-8
Molecular Formula:	C ₁₆ H ₂₉ N ₅ O ₃ S
Molecular Weight:	371.5
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 31 mg/mL (83.45 mM; Need ultrasonic)																							
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.6918 mL</td> <td>13.4590 mL</td> <td>26.9179 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5384 mL</td> <td>2.6918 mL</td> <td>5.3836 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2692 mL</td> <td>1.3459 mL</td> <td>2.6918 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	2.6918 mL	13.4590 mL	26.9179 mL	5 mM	0.5384 mL	2.6918 mL	5.3836 mL	10 mM	0.2692 mL	1.3459 mL	2.6918 mL			
		Solvent Concentration		Mass																				
			1 mg	5 mg	10 mg																			
		1 mM	2.6918 mL	13.4590 mL	26.9179 mL																			
5 mM	0.5384 mL	2.6918 mL	5.3836 mL																					
10 mM	0.2692 mL	1.3459 mL	2.6918 mL																					
Please refer to the solubility information to select the appropriate solvent.																								
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.58 mg/mL (6.94 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.58 mg/mL (6.94 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.58 mg/mL (6.94 mM); Clear solution 																							

BIOLOGICAL ACTIVITY

Description	Biotin LC hydrazide is a long chain protein modification reagent, which can transform periodate-oxidized glycoproteins.
In Vitro	<p>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].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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 biotinylating 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: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA