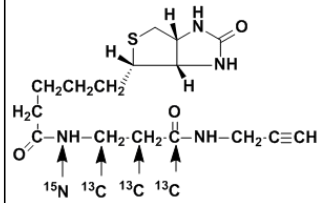


Certificate of Analysis (C of A)					
Name:	Biotin-β-Alanine-13C ₃ , 15N-Alkyne Heavy Isotopes *Click Chemistry* Biotin Propargyl amide				
Catalog Number:	7884		Lot:	51605	
CAS Number:	N/A		Formula:	C ₁₆ H ₂₄ N ₄ O ₃ S	
Molecular Weight:	356.46 (g/mol)				
	Observed		Standard		
NMR (d₆-DMSO)					
Result:	Meets specification		Consistent with structure		
Nuclei:	1H		1H		
TLC Purity:	> 99%		≥ 95%		
TLC System:	85:13:2 Chloroform / Methanol / Acetic Acid with Biotin Dip				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	14294	Release:	23-May-2014	Expiration:	23-May-2019
Structure:					

This data reflects the accuracy of the analysis of the subject lot
 For research use only. Not for human use. No animal source.
 This material is chemically synthesized and manufactured in the USA

Approved by: Dianna M Wineinger
 Analytical Services Manager

Date: 23-May-2014

Signature: Dianna M Wineinger