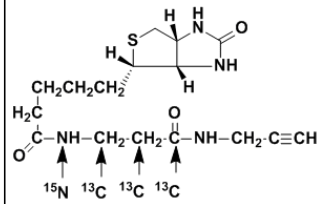


Certificate of Analysis (C of A)					
Name:	Biotin-β-Alanine-13C ₃ , 15N-Alkyne Heavy Isotopes *Click Chemistry* Biotin Propargyl amide				
Catalog Number:	7884		Lot:	51679	
CAS Number:	N/A		Formula:	C ₁₆ H ₂₄ N ₄ O ₃ S	
Molecular Weight:	356.46 (g/mol)				
	Observed		Standard		
NMR (d ₆ -DMSO)					
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:	16234	Release:	19-Aug-2019	Expiration:	19-Aug-2029
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: 19-Aug-2019

Signature: 