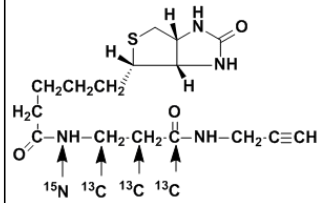


Certificate of Analysis (C of A)					
Name:	Biotin-β-Alanine-13C <sub>3</sub> , 15N-Alkyne Heavy Isotopes *Click Chemistry* Biotin Propargyl amide				
Catalog Number:	7884	Lot:	51605		
CAS Number:	N/A	Formula:	C <sub>16</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub> S		
Molecular Weight:	356.46 (g/mol)				
	Observed	Standard			
<b>NMR (d<sub>6</sub>-DMSO)</b>					
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:** 