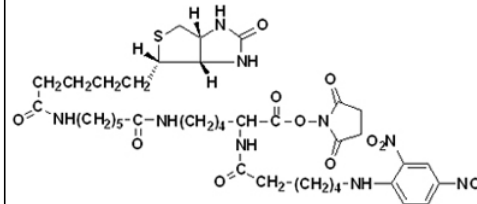


Certificate of Analysis (C of A)					
Name:	DNP-X-biocytin-X, SE Biotin-X 2,4-Dinitrophenyl-X-L-Lysine, Succinimidyl Ester				
Catalog Number:	6747	Lot:	51223		
CAS Number:	216453-51-9	Formula:	C ₃₈ H ₅₅ N ₉ O ₁₂ S		
Molecular Weight:	861.97 (g/mol)				
	Observed	Standard			
HPLC Purity:	89% at 254 nm	≥ 85% at 254 nm			
Absorption (Buffer pH8)					
Wavelength (λ_{max}):	362 nm	362 ± 3 nm			
Extinction:	16,600 cm ⁻¹ M ⁻¹	16,000 ± 1,000 cm ⁻¹ M ⁻¹			
Comments:	HPLC: Deriv with N-Butylamine				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	15413	Release:	25-Jul-2016	Expiration:	25-Jul-2021
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: 25-Jul-2016

Signature: 