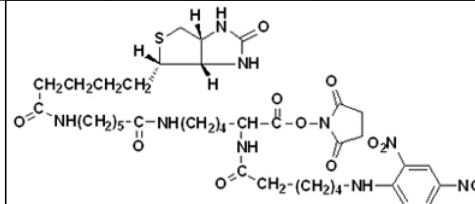


Certificate of Analysis (C of A)					
Name:		DNP-X-biocytin-X, SE Biotin-X 2,4-Dinitrophenyl-X-L-Lysine, Succinimidyl Ester			
Catalog Number:		6747	Lot:		50910
CAS Number:		216453-51-9	Formula:		C ₃₈ H ₅₅ N ₉ O ₁₂ S
Molecular Weight:		861.97 (g/mol)			
		Observed		Standard	
HPLC Purity:		89% at 254 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: 