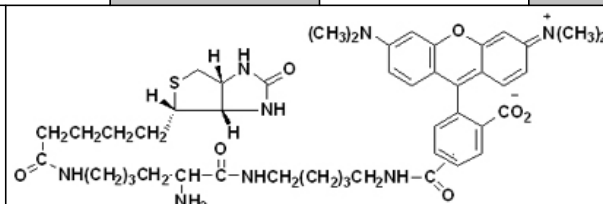


Certificate of Analysis (C of A)					
Name:		Biocytin TMR 5(6)-Carboxytetramethylrhodamine biocytin			
Catalog Number:		6662	Lot:		50964
CAS Number:		N/A	Formula:		C <sub>46</sub> H <sub>60</sub> N <sub>8</sub> O <sub>7</sub> S
Molecular Weight:		869.09 (g/mol)			
		Observed		Standard	
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):		543 nm		543 ± 3 nm	
Extinction:		89,100 cm <sup>-1</sup> M <sup>-1</sup>		89,000 ± 6,000 cm <sup>-1</sup> M <sup>-1</sup>	
Fluorescence (Methanol)					
Emission Max:		572 nm		571 ± 4 nm	
TLC Purity:		> 95%		≥ 90%	
TLC System:		70:24:3:3 Chloroform / Methanol / Water / Acetic Acid			
Storage:		Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)			
Production Lot:		15440	Release:		20-Sep-2016
			Expiration:		20-Sep-2026
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:** 20-Sep-2016

**Signature:**

*Dianna M. Wineinger*