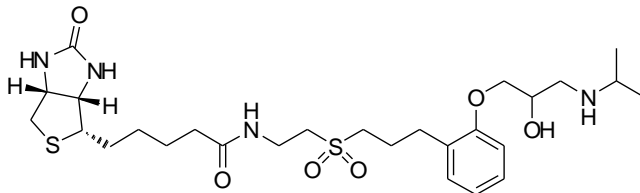


## Certificate of Analysis

### Description of the Material:

- (a) Product Number: CM61002
- (b) Chemical Name: Biotin-Alprenolol Conjugate
- (c) Chemical Structure:



$C_{27}H_{44}N_4O_6S_2$   
 Exact Mass: 584.27  
 Mol. Wt.: 584.79

- (d) Molecular Weight: 584.79 Da
- (e) Appearance: off-white solid or oil film
- (f) Lot No.: S301.2.S5F49
- (g) Amount: 1 mg
- (h) Solubility: not very soluble in water, very soluble in DMSO and Methanol. Recommend preparing stock solution in DMSO first.

### Purity Specifications and Results:

Tests	Specification(s)	Results
Amount	1 mg	1 mg
HPLC	≥95% by standard C18 HPLC	95.8%
Mass	584.79	Observed: 585.10 (M+H <sup>+</sup> )

**Intended Use:** For research and development use only.

**Hazard Information:** No known OSHA hazards. See SDS for details.

**Shelf Life, Storage/Stability:** The compound is very stable as solid at ambient temperature. Recommended long-term storage is at -20°C.

**Expiration Date:** 1 year after receiving if stored at -20°C or below.

**Data Appendix:** Size exclusion HPLC and MALDI-TOF MS Data.



CellMosaic, Inc. www.cellmosaic.com  
10 A Roessler Road, Woburn, MA 01801, USA.

HPLC ANALYSIS DATA

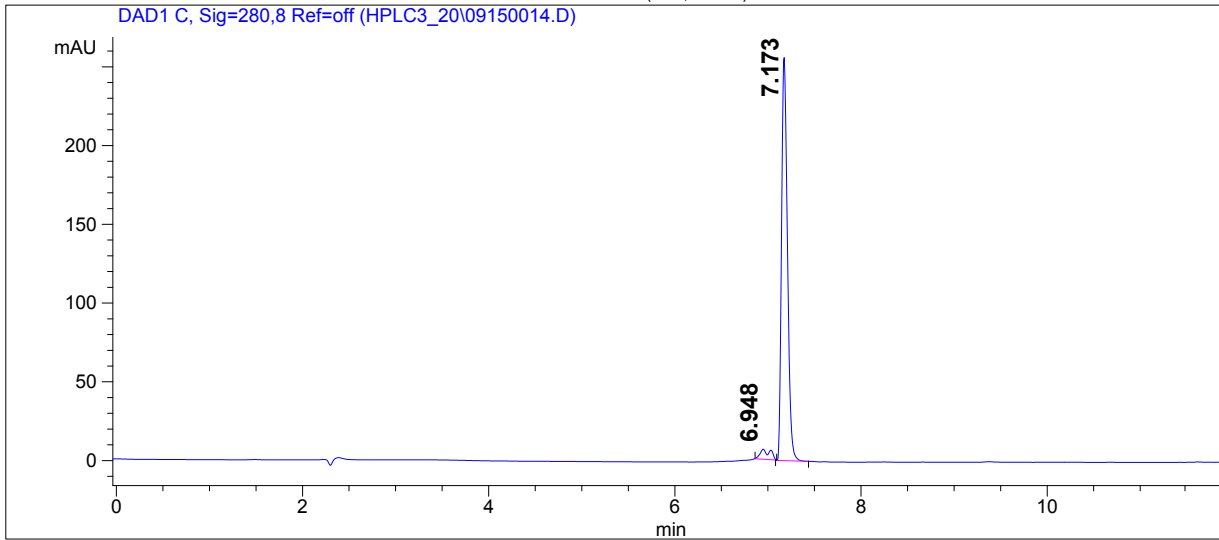
Data Acquired By: CellMosaic QC  
Sample Location: Vial 62  
Sample Name: s301.2.S5F49

Actual injection Volume: 10.0 uL  
Sequence Name:  
Method: C:\HPCHEM\1\METHODS\TFALSC6E.M  
Pressure: 123.5bar  
Flow: 800.0uL/->  
Temp (C) : Start Temperature n->

-- SAMPLE INFORMATION --  
s301.2.S5F49

CHROMATOGRAM (UV/Vis)

DAD1 C, Sig=280.8 Ref=off (HPLC3\_20\09150014.D)



# Peak	Meas. RT [Min.]	Main Peak Area [mAU*s]	Main Peak Area %	Main Peak Heigh [mAU]
1	6.948	49.1	4.2	6.5
2	7.173	1123.3	95.8	257.0
Total		1172.4	100.0	263.5

\*\*\*\*\*END OF REPORT\*\*\*\*\*