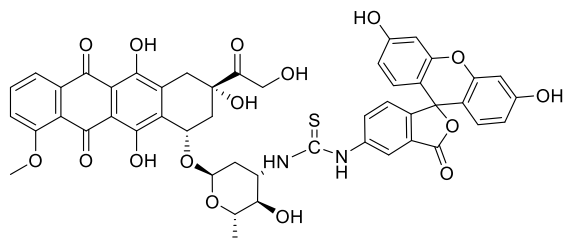


Certificate of Analysis

Description of the Material:

- (a) Chemical Name: Fluorescein-Dox Conjugate
- (b) Chemical Structure:



Chemical Formula: $C_{48}H_{40}N_2O_{16}S$
Exact Mass: 932.21
Molecular Weight: 932.91

- (c) Molecular Weight: 932.91 Da
- (d) Appearance: orange solid
- (e) Amount: 1 mg/5 mg/10 mg

Material Code and Batch Number:

- (a) Material Code: CM62102-1MG, CM62102-5MG, or CM62102-10MG
- (b) Lot Number: 0290961

Purity and UV/Vis Data:

- (a) HPLC analysis: $\geq 93\%$
- (b) Characteristic UV/Vis of Dox and Fluorescein

Intended Use: For research and development use only.

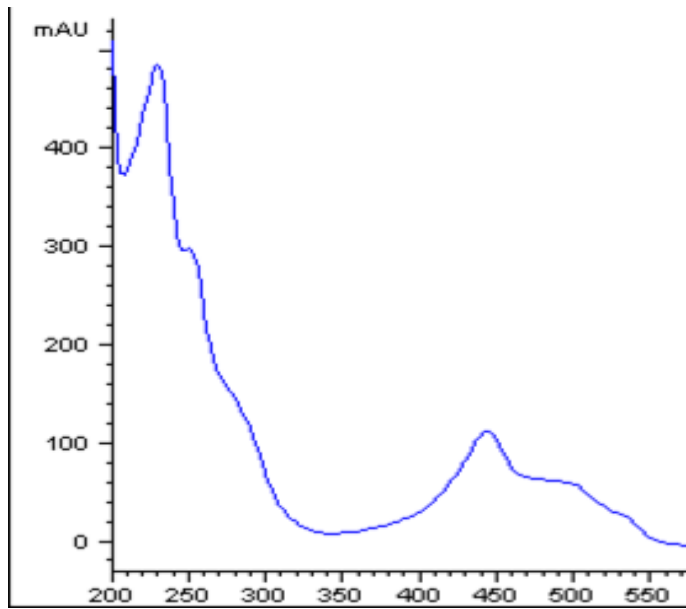
Hazard information: See SDS.


Shelf life, Storage / Stability: The conjugate is fairly stable as solid at ambient temperature. Recommended long-term storage is at -20°C or preferably at -80°C freezer. After reconstitution, the solution may be able to stay at $2-8^{\circ}\text{C}$ for few weeks or -20°C for few months.

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

Data Appendix: UV/Vis and C18 HPLC data.

Figure 1. UV/Vis spectrum of fluorescein-dox conjugate



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

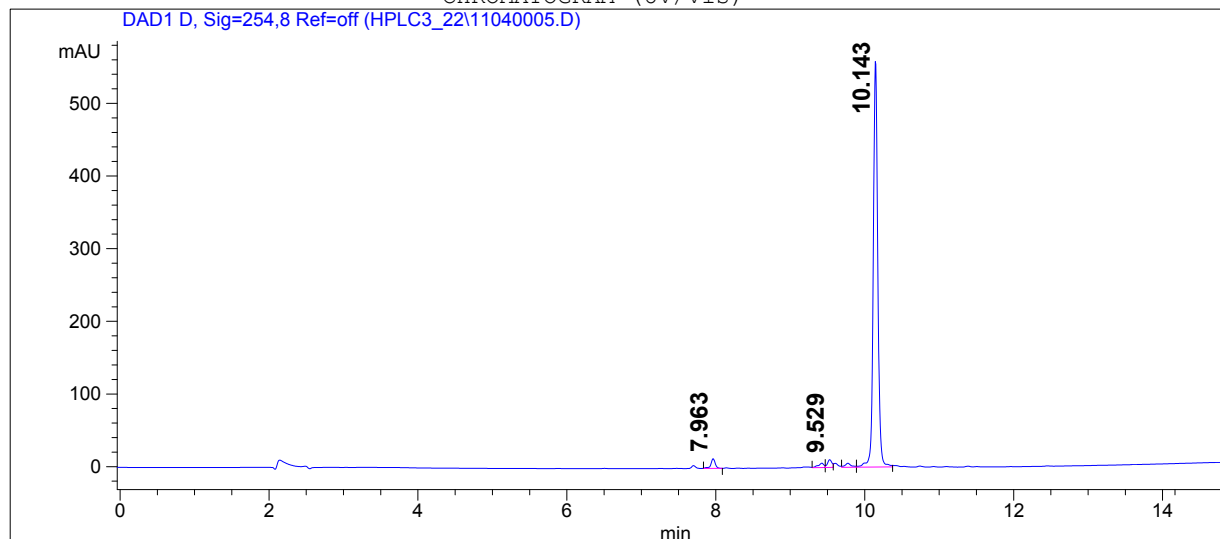
HPLC ANALYSIS DATA

Data Acquired By: CellMosaic QC
Sample Location: Vial 81
Sample Name: CM62102.0290961

Actual injection Volume: 2.0 uL
Sequence Name:
Method: C:\HPCHEM\1\METHODS\TFALSC6E.M
Pressure: 99.7 bar
Flow: 800.000 uL/min
Temp (C): 25.0 C

-- SAMPLE INFORMATION --
CM62102.0290961
Fluorescein-Dox 0.667 mg/mL

CHROMATOGRAM (UV/Vis)



Signal Description Wavelength(nm), Bw	Retention Time [Min.]	Area [mAU.s]	Area %
DAD1 D, Sig=254,8 Ref=off	7.963	55.4	2.2
	9.422	32.7	1.3
	9.529	44.5	1.8
	9.772	33.9	1.3
	10.143	2358.7	93.4

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