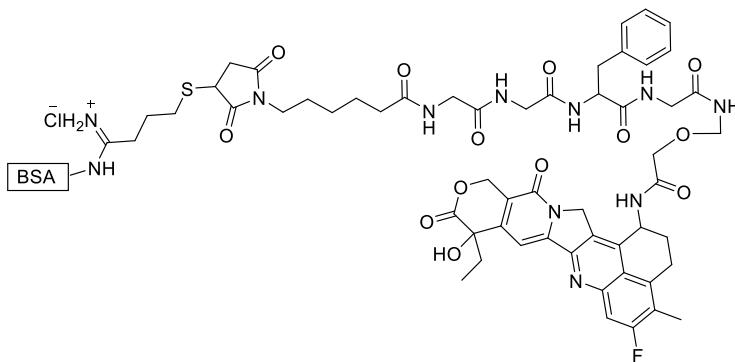


## Certificate of Analysis

### Description of the Material:

- (a) Chemical Name: BSA-Deruxtecan Conjugate
- (b) Chemical Structure:



- (c) Molecular Weight: 71,617 Da
- (d) Appearance: White to off-white preservative-free lyophilized powder.
- (e) Amount: Each tube contains 1 mg of BSA-Deruxtecan
- (f) Reconstitution: Dissolve in 300  $\mu$ L of deionized water to obtain 3.33 mg/mL solution in 1xPBS buffer, pH 7.4

### SKU Code and Batch Number:

- (a) SKU Code: CM52140-1MG or CM52140-5MG
- (b) Lot Number: S479.S15.1018C

### Purity, UV/Vis, and Loading:

- (a) HPLC analysis:  $\geq$ 99% of conjugates, free of any unreacted Deruxtecan
- (b) Drug over BSA ratio: 3.23 (by UV ratio of 380/280 nm), 3.46 (by SEC ratio of 380/280 nm) and 4.51 by MALDI-TOF MS data.
- (c) Characteristic additive UV/Vis spectra of Deruxtecan and BSA

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

**Hazard Information:** See SDS.

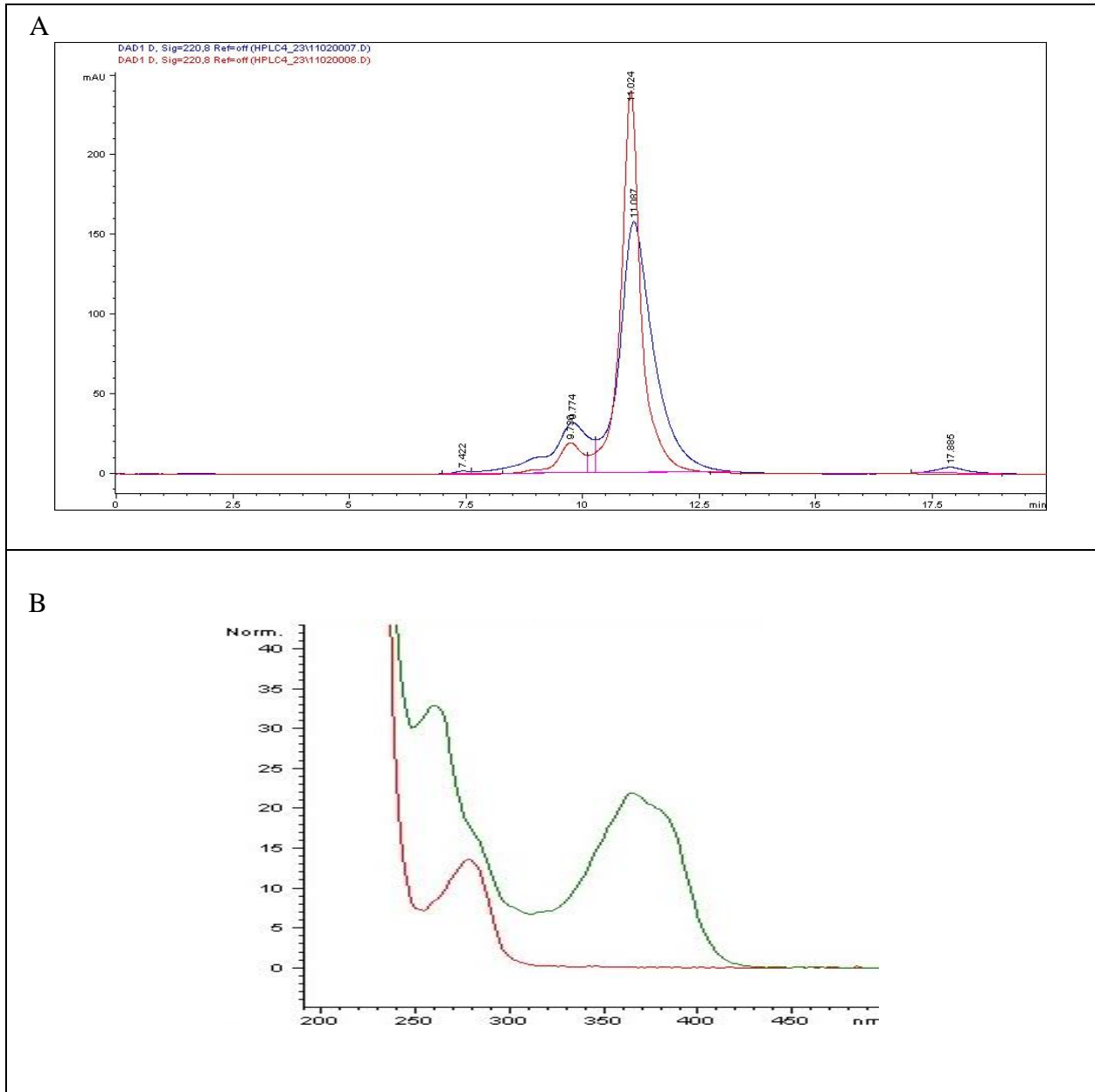
**Shelf life, Storage/Stability:** The conjugate is fairly stable as solid at ambient temperature. Recommended long-term storage is at -20°C or preferably in a -80°C freezer. After reconstitution, the solution may be able to stay at 2-8°C for few weeks or -20°C for few months.

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

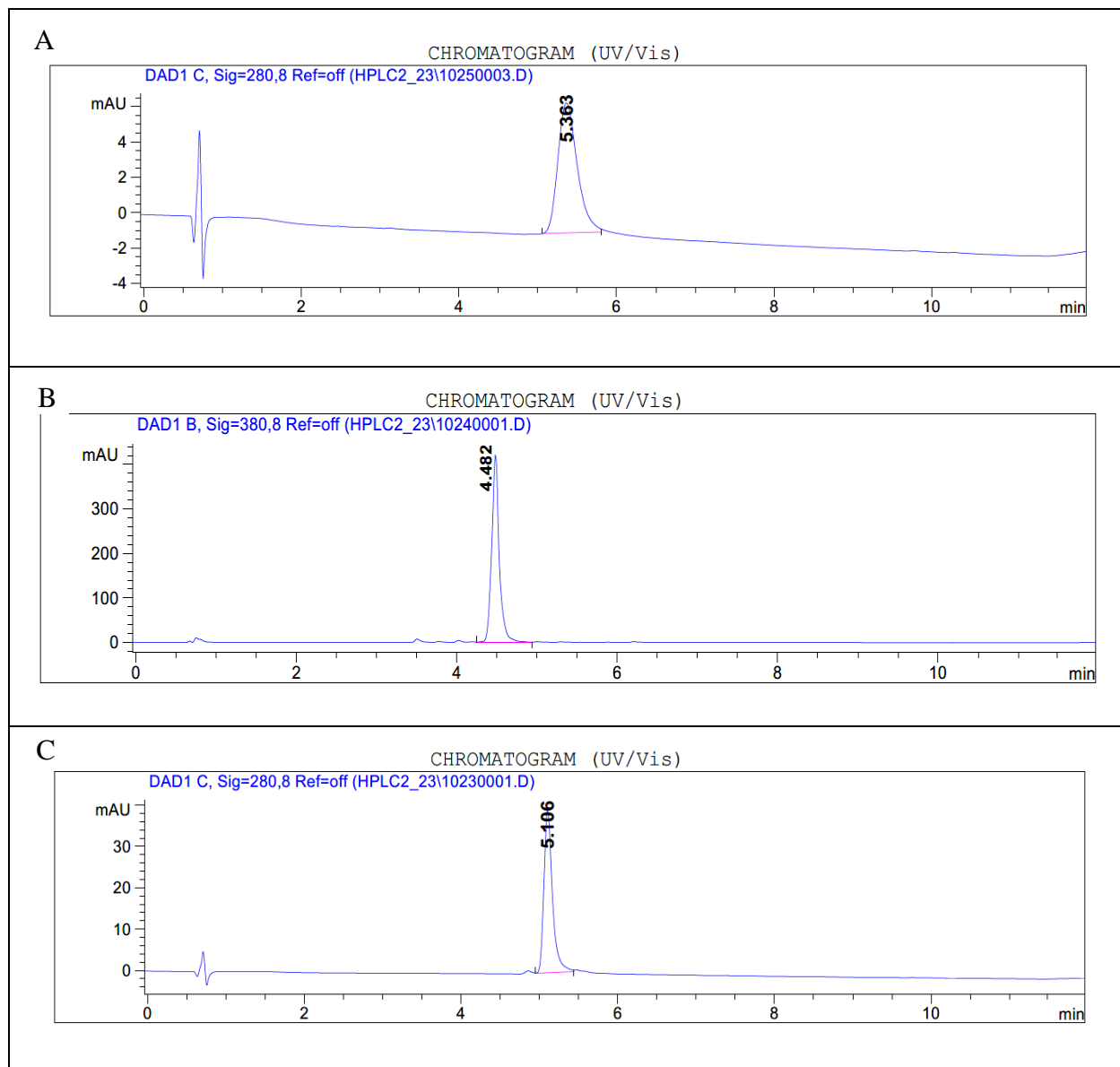
**Data Appendix:** Size exclusion, Reversed phase HPLC, UV/Vis Spectrum and MALDI-TOF MS data.

**Figure 1. Panel A:** Overlay of size exclusion HPLC of BSA (before labeling, red trace) and BSA-Deruxtecan in PBS buffer (after labeling, blue trace).

**Panel B:** Overlay UV/Vis spectrum of BSA (before labeling, red trace) and BSA-Deruxtecan (after labeling, green trace showing Deruxtecan absorbance at 380 nm). UV absorbance ratio (R) of BSA-Deruxtecan at 380 nm and 280 nm: 1.068.



**Figure 2.** Reversed phase HPLC of purified BSA-Deruxtecan Conjugate at 280 (panel A), characteristic of Deruxtecan at 380 nm(panel B) and BSA before labeling (panel C)



**Figure 3.** MALDI TOF MS Analysis of BSA-Deruxtecan conjugate and BSA.

