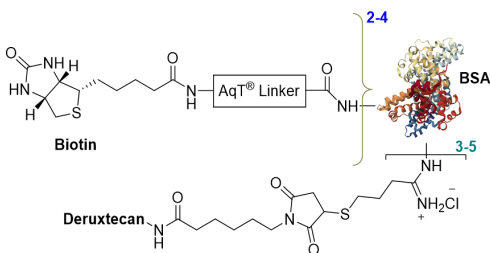


Certificate of Analysis

Description of the Material:

- (a) Chemical Name: AqT® Biotin-BSA- Deruxtecan
(b) Chemical Structure:



- (c) Molecular Weight: 72.8 KDa
(d) Appearance: colorless-to-white lyophilized powder.
(e) Amount: each tube contains 100 µg (0.1 mg) or 500 µg (0.5 mg) of AqT® Biotin-BSA-Deruxtecan
(f) Reconstitution: dissolve in 50 µL (for 100 µg) 250 µL (for 500 µg) of deionized water to achieve 2.0 mg/mL in 1xPBS buffer containing sugar-based stabilizer (no preservative).

SKU Code and Batch Number:

- (a) SKU Code: CM86171-100UG, CM86171-500UG
(b) Lot Number: S662.S11.0430F

Purity, UV/Vis, MS, and Loading:

- (a) HPLC analysis: ≥99% of conjugates, free of any unreacted AqT® Biotin and/or Deruxtecan
(b) Deruxtecan Loading: 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) Biotin Loading: 2.9 by Biotin Assay (HABA).

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 stock solution could be used up to 1 week if stored at 2-8°C.

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

Data Appendix: Size exclusion HPLC Data.

Figure 1. Overlay size exclusion HPLC spectrum of BSA (before labeling, green trace) and BSA-Deruxtecan Conjugate (after Deruxtecan labeling, red trace) and AqT® Biotin-BSA-Deruxtecan Conjugate (after AqT® Biotin labeling, blue trace).

