

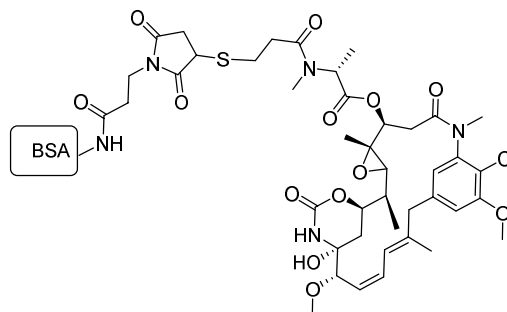
BSA-DM1 (Mertansine) Conjugate

Lyophilized solid, 1 mg per tube, ≥99%

Product Number: CM52110

Product Description

DM1 (mertansine) is a thiol-containing derivative of maytansine. It binds to tubulin and inhibits the assembly of microtubules. DM1 is used to prepare ADCs (antibody-drug conjugates), such as trastuzumab emtansine (abbreviated as T-DM1). This BSA-DM1 conjugate is designed with similar linker chemistry as T-DM1 and is synthesized at CellMosaic® for our customers' usage in immunization or immunoassay. Maleimide functional groups are first introduced to the BSA followed by a reaction of the maleimide group with the thiol of DM1 to form the BSA-DM1 conjugate.



The product is sold as 1 vial of 1 mg (Cat# CM52110-1MG) or 5 vials of 1 mg (Cat# CM52110-5MG). For bulk orders, please contact us for a quote.

Application

- Suitable for immunization or immunoassay.

Key Features of this BSA-DM1

- Lyophilized from phosphate buffered saline containing sugar-based stabilizer for easy shipping and storage.
- **Optimal loading** with an average of 3-5 DM1 per BSA.
- Concentration accurately determined by UV/HPLC

Chemical Information

- **Chemical Name:** BSA-DM1 (Mertansine) Conjugate
- **Chemical Formula:** N/A
- **Molecular Weight:** 70KDa **CAS Number:** N/A

Specification

- **Physical Appearance:** white to off-white preservative-free lyophilized powder in a 2.0 mL centrifuge tube
- **Storage Temp:** -20°C
- **Purity:** ≥99% of conjugates by HPLC
- **Amount of DM1 Loaded per BSA Molecule:** 3 to 5 (usually 4)