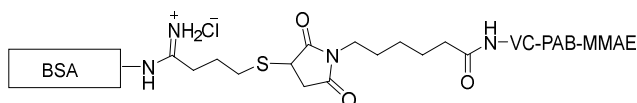


BSA-MMAE Conjugate

Lyophilized solid, 1 mg per tube, ≥99%

Product Number: CM52113



Product Description

MMAE (monomethyl auristatin E) is an antimetabolic agent that binds to tubulin and inhibits the assembly of microtubules. Mc-VC-PAB-MMAE is a thiol reactive derivative of MMAE that contains a cathepsin cleavable valine-citruline p-aminobenzylcarbamate linkage. Mc-VC-PAB-MMAE is used to prepare antibody-drug conjugates, such as brentuximab vedotin (Seattle Genetics). This BSA-MMAE conjugate is designed with similar linker chemistry as ADCs synthesized at CellMosaic® for our customers' usage in immunization or immunoassay. Thiol functional groups are introduced to the BSA followed by reaction of the maleimide group of Mc-VC-PAB-MMAE to form the conjugate.

The product is sold as 1 vial of 1 mg (Cat# CM52113-1MG) or 5 vials of 1 mg (Cat# CM52113-5MG). For bulk orders, please contact us for a quote.

Application

- Suitable for immunization or immunoassay.

Key Features of this BSA-MMAE

- Lyophilized from phosphate buffered saline containing sugar-based stabilizer for easy shipping and storage.
- **Optimal loading** with an average of 3-5 MMAE per BSA.
- Concentration accurately determined by UV/HPLC
- Loading is confirmed by various methods including UV, HPLC and difference MALDI-TOF MS

Chemical Information

- **Chemical Name:** BSA-MMAE (monomethyl auristatin E) Conjugate
- **Chemical Formula:** N/A
- **Molecular Weight:** ~71KDa **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 MMAE Loaded per BSA Molecule:** 3-5 (refer COA of each lot for actual value)