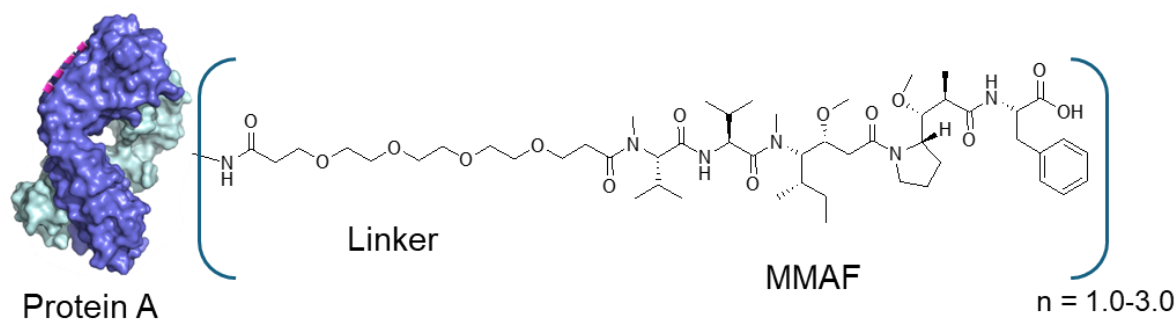


Catalog# BP-50157

Protein A -MMAF

Description:

Protein A-MMAF is a Protein-drug conjugate (PDC) of Protein A with MMAF (Monomethylauristatin F) through a linker. >95% protein A were conjugated with MMAF, the DPR (drug protein ratio) $n = 1-3$ drugs per protein. Protein A is a 42 kDa surface protein originally found in the cell wall of the bacterium *Staphylococcus aureus*. The protein is composed of five homologous Ig-binding domains that fold into a three-helix bundle. Each domain can bind proteins from many mammalian species, most notably IgGs (immunoglobulins). Protein A has the remarkable ability to bind to the Fc region of most immunoglobulins. It binds the heavy chain within the Fc region of most immunoglobulins and also within the Fab region in the case of the human VH3 family. MMAF is a synthetic antineoplastic agent and a potent inhibitor of tubulin polymerization which applied as a cytotoxic component of the anti-cancer antibody-drug conjugates such as vorsetuzumab mafodotin and SGN-CD19A. This product is for research use only. The Protein A-MMAF has the following chemical structure:



Product Details	
Reactivity	Bind to the Fc region of most immunoglobulins
Source	<i>E. coli</i>
Type	Recombinant Protein
M.W.	~44,600 (Apparent MW by SDS-PAGE: 45,000)
Measurement	A275 of 0.1% solution: ~0.149
Isoelectric point (pI)	4.7-4.8
Conjugate	Protein A conjugated with -MMAF
DPR (Drug to Protein Ratio)	>95% protein conjugated, 1-3 drugs per protein
Form	Liquid
Concentration	1 mg/ml
Purification	Size Exclusive Column
Storage buffer	20 mM Sodium Borate, 6% Trehalose, pH8.0
Storage conditions	4°C for short time, -20°C or -80°C for long time.