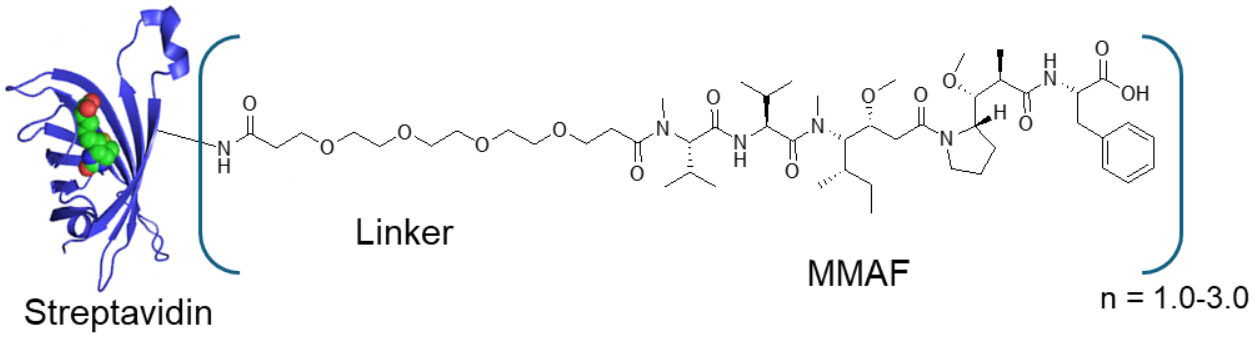
Catalog# BP-50165

Streptavidin-MMAF

Description:

Streptavidin-MMAF is a Protein-drug conjugate (PDC) of Streptavidin MMAF (Monomethylauristatin F) through a linker. >95% Streptavidin were conjugated with MMAF, the DPR (drug protein ratio) n = 1-3 drugs per protein. Streptavidin is a 52.8 kD tetrameric protein obtained from Streptomyces avidinii. It binds to biotin with a very high affinity and is one of the strongest interactions in nature with a dissociation constant of 10-14 mol/L. It is used in a wide range of applications including ELISA, flow cytometry, molecular biology, and bionanotechnology. 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 Streptavidin-MMAF has the following chemical structure:



Product Details	
Reactivity	Bind to Biotin
Source	*E. coli*
Type	Recombinant protein
Specific Activity	>15.0 U/mg protein
M.W.	52.800
Measurement	A280 of 0.1% solution: 3.2
Isoelectric point (pI)	6.8 to 7.5
Conjugate	Streptavidin 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.