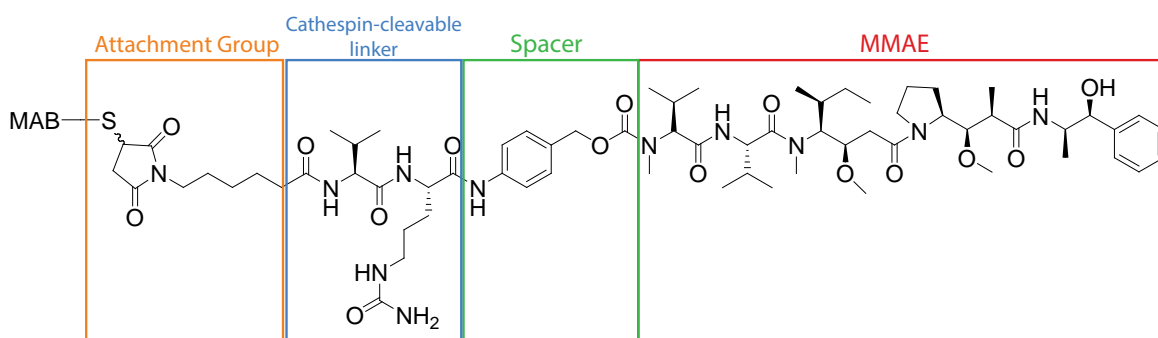


ADC LINKERS

ADC linkers are one of the three main components of the antibody drug conjugates (ADC) that connect an antibody with a potent drug (payload) through a chemical bond.

ADC linkers play key roles for the overall success of the Antibody Drug Conjugates. A well-designed ADC linker can help the antibody to selectively deliver and release the cytotoxic drug at tumor sites. It also plays critical roles in an ADC's stability during preparation, storage, and systemic circulation. There are two main categories of ADC linkers: cleavable and non-cleavable linkers.

ADC with cleavable linker is represented by Adcetris (below).



For the ADC drugs with non-cleavable linkers, it relies on the complete degradation of the antibody after internalization of the ADC, as represented by Kadcyra, (structure as below, marketed by Genentech and Roche).

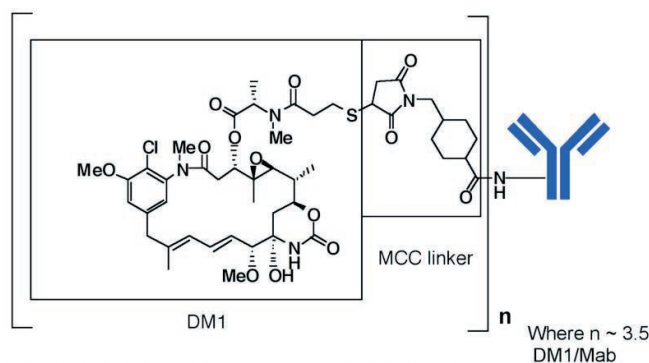


Figure 1.0. Ado-trastuzumab emtansine. Source: Highlights of Prescribing Information (USA); ado-trastuzumab emtansine (T-DM1; Kadcyra®/Genentech/Roche).



重松貿易株式会社 化学品部

Shigematsu & Co., Ltd.

<大阪本社>

〒541-0047 大阪市中央区淡路町 2 丁目 2 番 5 号

TEL : (06)6231-6146 FAX : (06)6231-6149

<つくばライフサイエンスオフィス>

〒300-2655 茨城県つくば市万博公園西 F26 街区 1 インプレス 103

TEL : (029)848-3220 FAX : (029)848-3221

WEB : www.shigematsu-bio.com/ Mail : info@shigematsu-bio.com



Branched PEG Linkers

Catalog	Structure	Product name
BP-24369		N-(Amino-PEG2)-N-bis(PEG3-Azide)
BP-24169		N-(Azido-PEG4)-N-bis(PEG4-NHS Ester)
BP-23599		2-Amino-1,3-bis(carboxylethoxy)propane HCl Salt
BP-23826		N-(NHS-PEG3)-N-bis(PEG3-Azide)
BP-23736		N-Mal-N-bis(PEG4-NHS Ester)
BP-23580		N-(Amino-PEG1)-N-bis(PEG2-propargyl) HCl Salt
BP-23803		N-(Azido-PEG4)-N-bis(PEG4-Amine)
BP-23454		NHS-PEG4-(m-PEG12)3-Ester



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TEL : (06)6231-6146 FAX : (06)6231-6149

<つくばライフサイエンスオフィス>

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TEL : (029)848-3220 FAX : (029)848-3221

WEB : www.shigematsu-bio.com/

Mail : info@shigematsu-bio.com

WWW.BROADPHARM.COM

