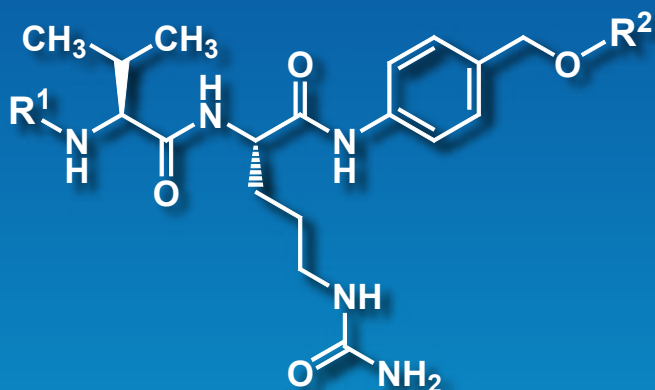




Enzymatically Cleavable Linkers for Antibody-Drug Conjugates (ADCs)



$R^1 = H, R^2 = H$

Val-Cit-PAB-OH

25mg / 100mg [V0155]

$R^1 = \text{Fmoc}, R^2 = H$

Fmoc-Val-Cit-PAB-OH

25mg / 100mg [F1223]

$R^1 = \text{Fmoc}, R^2 = \text{C(=O)O-pNP}$

Fmoc-Val-Cit-PAB-PNP

100mg / 500mg [F1114]

$R^1 = \text{Alloc}, R^2 = H$

Alloc-Val-Cit-PAB-OH

250mg / 1g [A3348]

$R^1 = \text{C(=O)(CH}_2)_5\text{-maleimide}, R^2 = H$

MC-Val-Cit-PAB-OH

100mg / 500mg [M3224]

$R^1 = \text{C(=O)(CH}_2)_5\text{-maleimide}, R^2 = \text{C(=O)O-pNP}$

MC-Val-Cit-PAB-PNP

500mg [M3209]

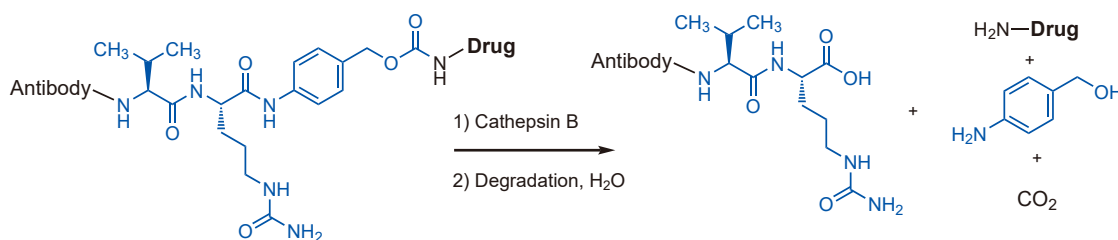
*TCI can offer these products on tens gram scale.

Advantages

- Contain peptide sequence degradable by a lysosome enzyme
- Have superior plasma stability comparable to that of non-cleavable linkers

Applications

Cathepsin B in the lysosome cleaves the peptide bond between Cit-PAB of dipeptide linkers containing Valine (Val)-citrulline (Cit) and *p*-aminobenzylalcohol (PAB). When PAB and a drug are bonded covalently with carbamate bonds, the drug can be released by degradation after cleavage of the peptide bond between Cit-PAB. Antibody-drug conjugates (ADCs) has been developed using this mechanism.



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