Enzymatically Cleavable Linkers for Antibody-Drug Conjugates (ADCs)

**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 bound covalently with carbamate bonds, the drug can be released by hydrolysis after cleavage of the peptide bond between Cit-PAB. Antibody-drug conjugates (ADCs) has been developed using this mechanism.

**References**


**Advantages**

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

**Val-Cit-PAB-OH**

- 25mg / 100mg [V0155]

**Fmoc-Val-Cit-PAB-OH**

- 25mg / 100mg [F1223]

**Fmoc-Val-Cit-PAB-PNP**

- 100mg / 500mg [F1114]

**Alloc-Val-Cit-PAB-OH**

- 100mg / 500mg [M3224]

**MC-Val-Cit-PAB-OH**

- 250mg / 1g [A3348]

For further information please refer to our website at www.TCIchemicals.com.