

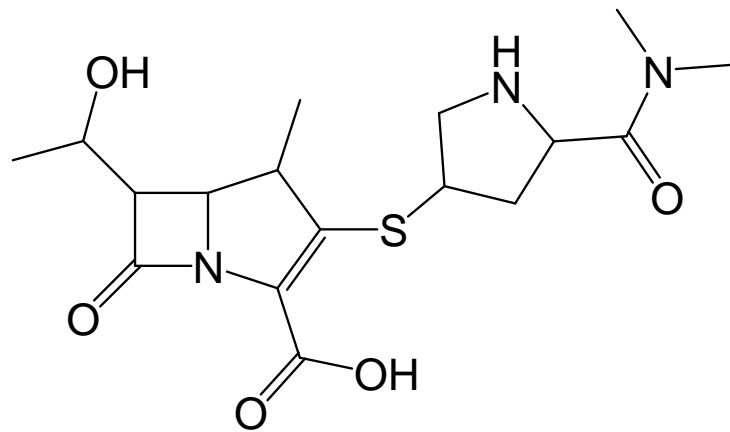
Examples about unstable analytes

Examples about unstable analytes

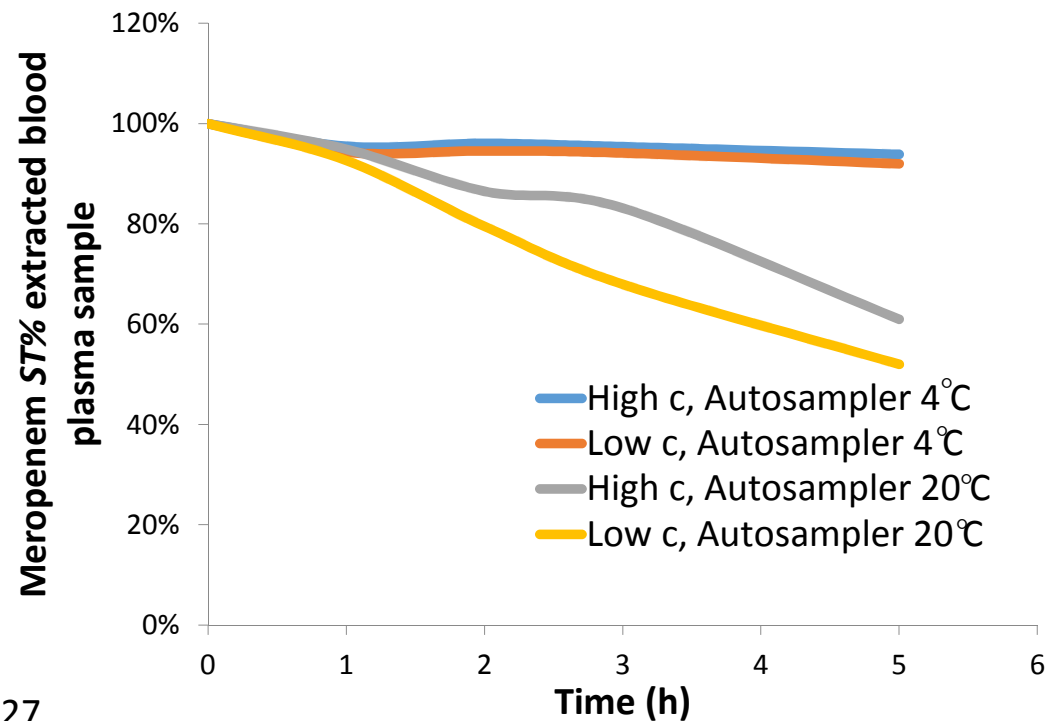
Compound	Issue
Acylglucoronide metabolites	Hydrolysis to parent drug, acyl migration
Lactones	Reversible hydrolysis to hydroxyl acid
Prodrugs	Conversion into active drug by ester bond cleavage
Amides	Hydrolysis to acid
Oxidizable compounds	Oxidative degradation
Cytostatic nucleosides	Enzymatic deamination
Thiols	Dimerization
Enantiomers	Racemization
Cis/trans isomers	Interconversion
Kipper et al, Chromatographia, 70 (2009) 1423 - 1427 Beta-lactams (all penicillin derivatives)	Hydrolysis, enzymatic degradation, oxidation, presence of metal ions []

© 2016 Karin Kipper

The stability of beta-lactam antibiotics – the effect of the temperature

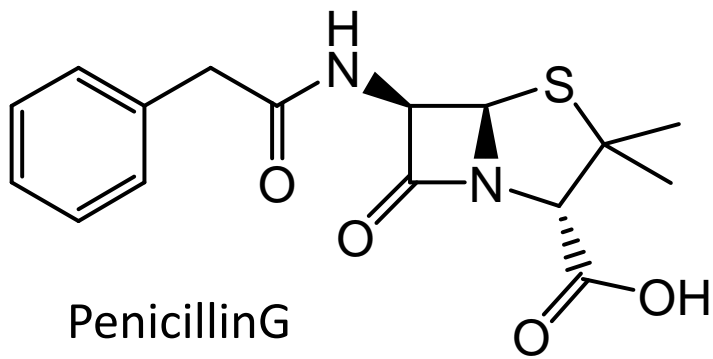


Meropenem



Kipper et al, Chromatographia, 70 (2009) 1423 - 1427

The stability of beta-lactam antibiotics – the effect of the pH



Kipper et al, MSACL conference (2015)

