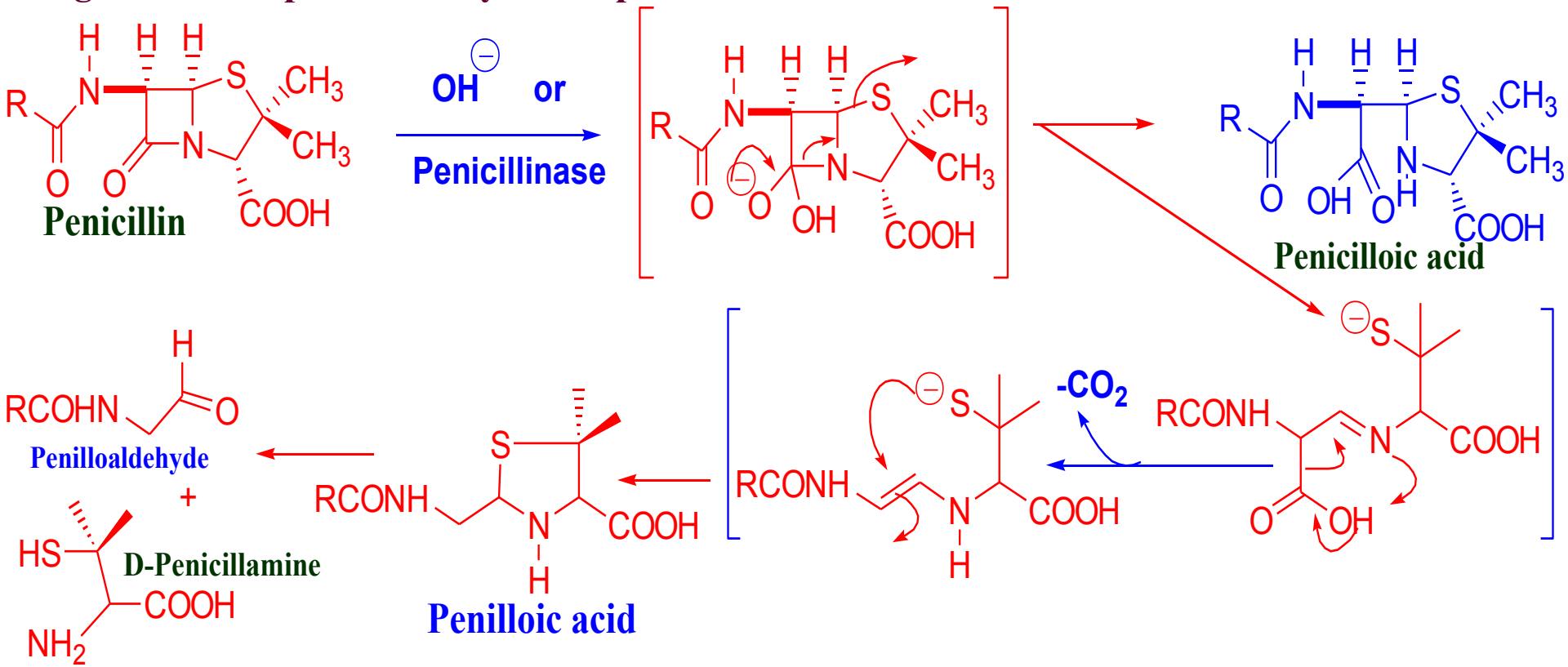
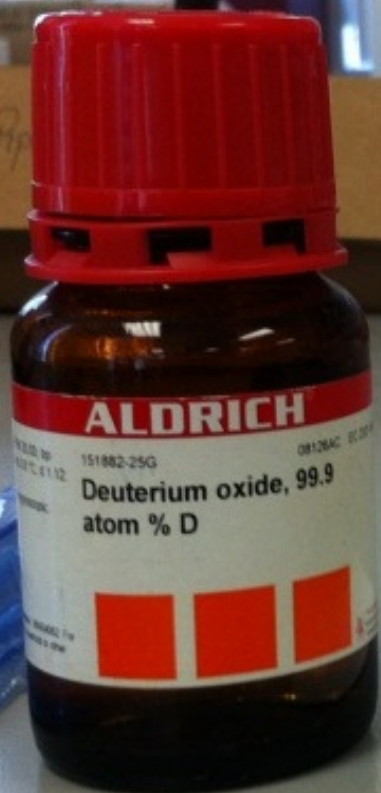


β -lactam ring: essential for activity, this reaction inactivates penicillins

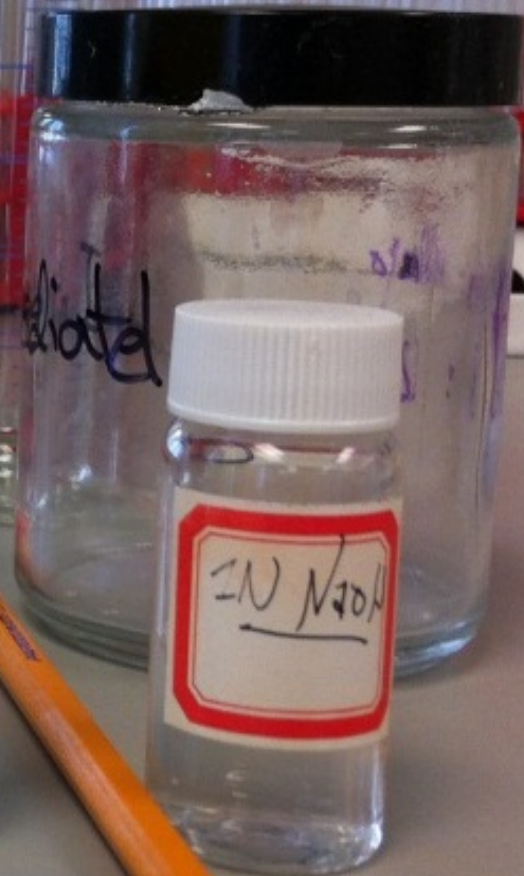
β -lactamase (penicillinase): bacterial resistance

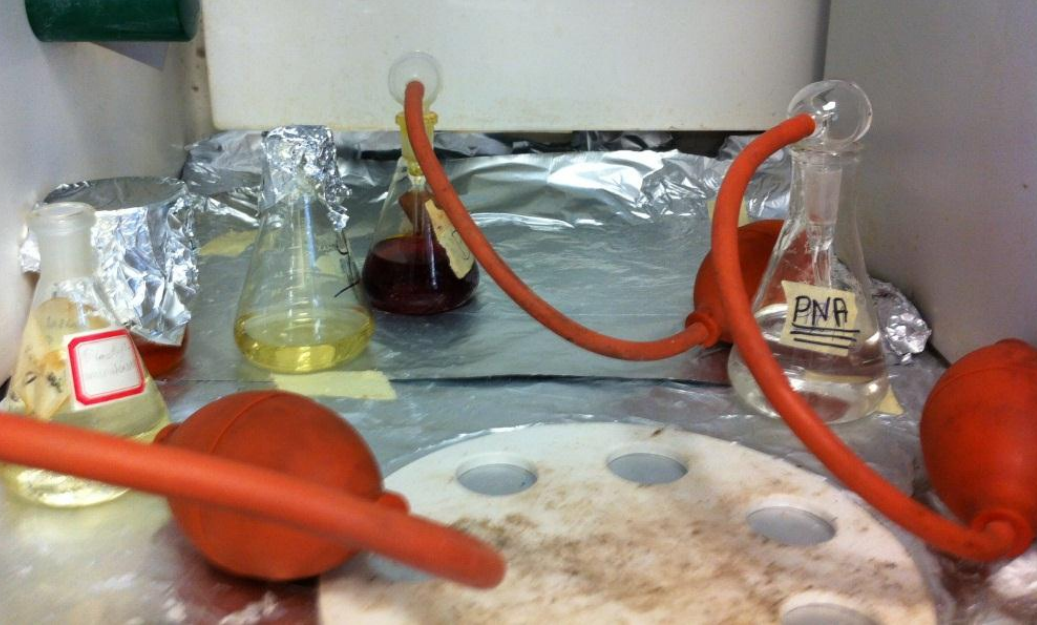
Degradation of penicillins by nucleophiles

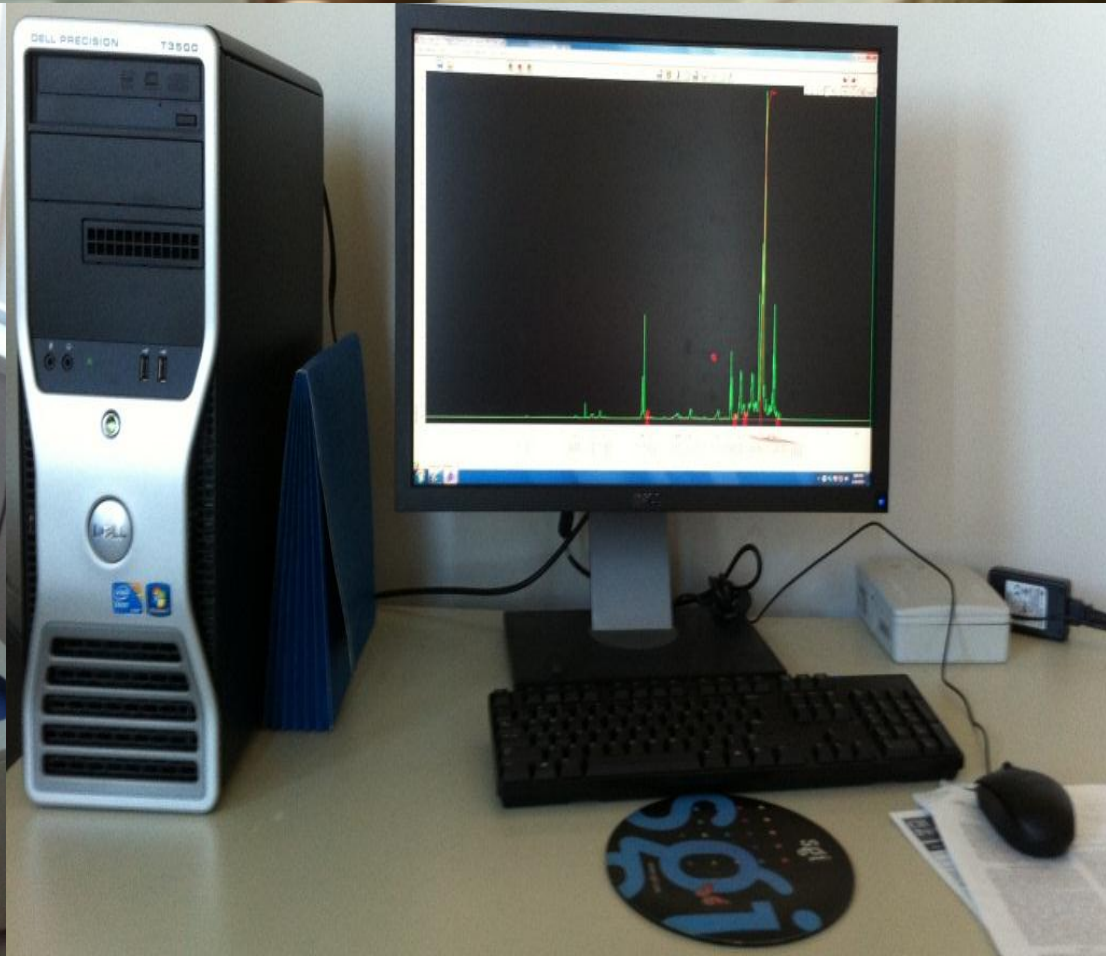


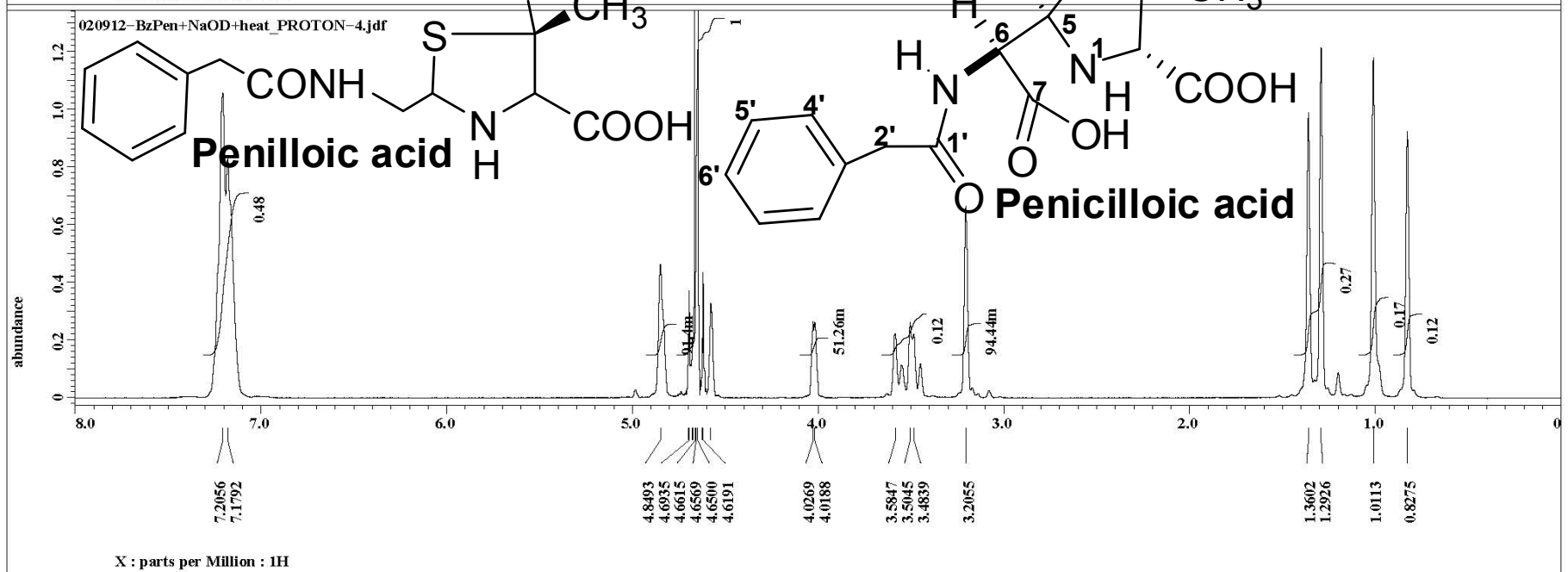
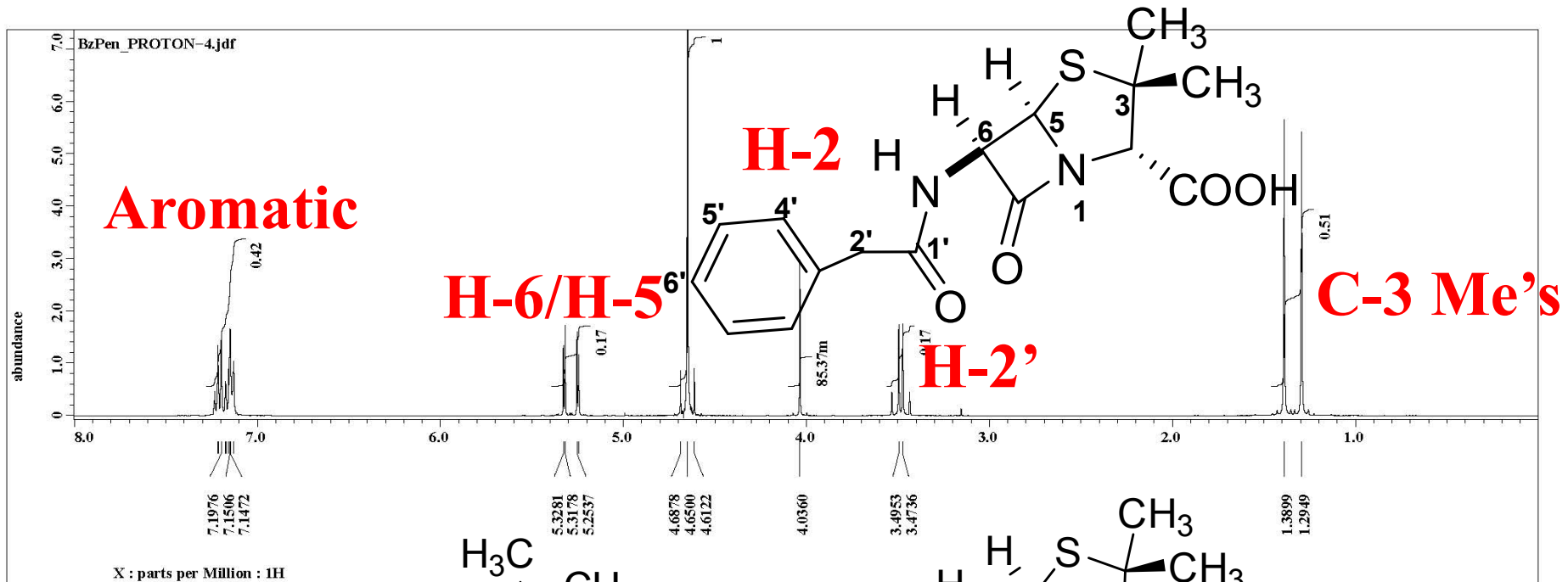


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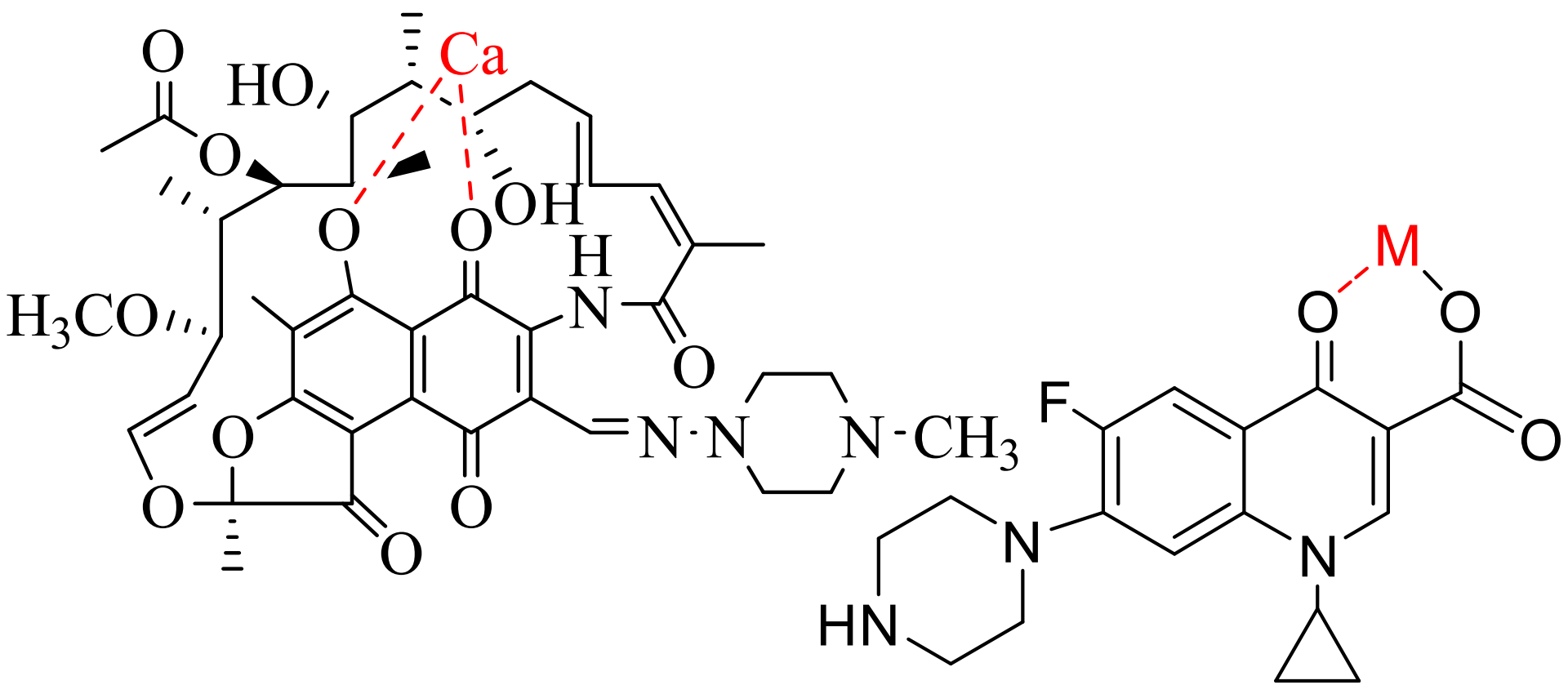
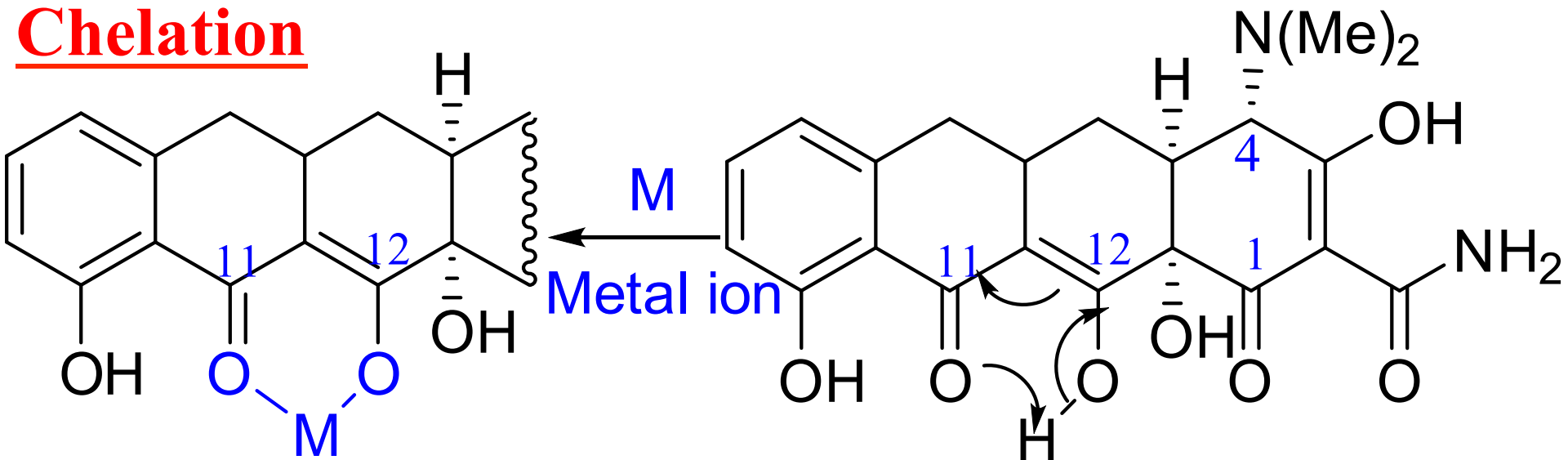


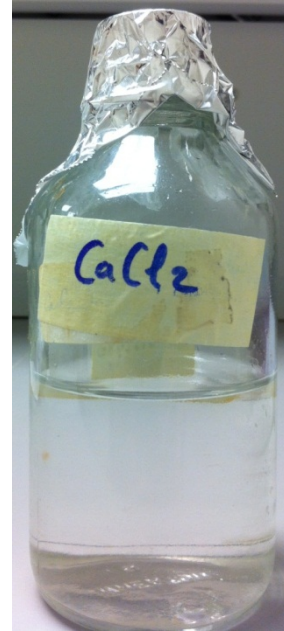






Chelation





Conc %	% T
0.10%	98.5
0.20%	93.5
0.60%	86.3
0.90%	60.3

