

Lecture outline		
•	The problem:	
	Fit initial rate enzyme-kinetic data to a variety of mechanistic models. Avoid algebraic models, which may not even exist for complex cases. Select the most plausible model, based on statistical criteria.	
•	The solution:	
	Use generally applicable numerical (iterative) models to represent initial rates Use the Akaike Information Criterion for model selection.	
•	An implementation:	
	Software DynaFit (Kuzmic 1996; 2009).	
•	Two examples:	
	1. Inhibition of the Lethal Factor protease from Bacillus anthracis.	
	2. Inhibition of the p56 ^{lck} protein tyrosine kinase.	
BioKin	BKEB Lec 5: Enzyme Kinetics: Pt 1	2







































































