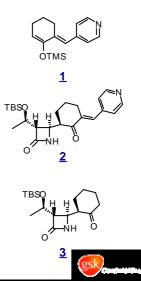




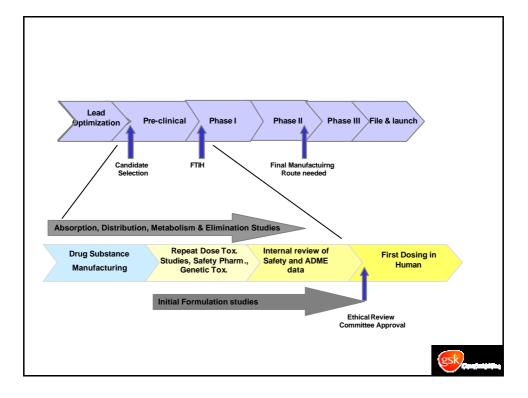
- A new process for the manufacture of silylenolether <u>1</u> and recycling of the α-isomer of ketoazetidinone to the desired βisomer <u>2</u> had to be put in place
- β-ketoazetidinone <u>3</u> available from Sanfetrinem synthesis on multikilo scale
- a new cyclization procedure not strictly required

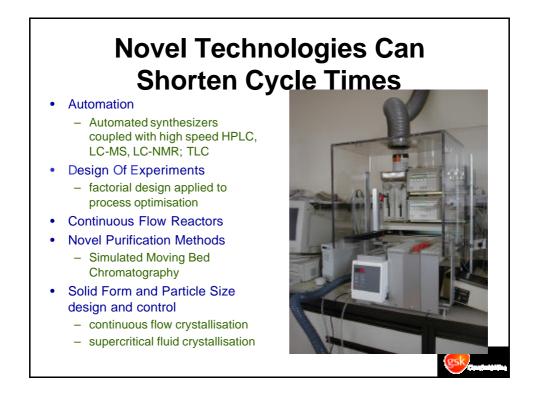


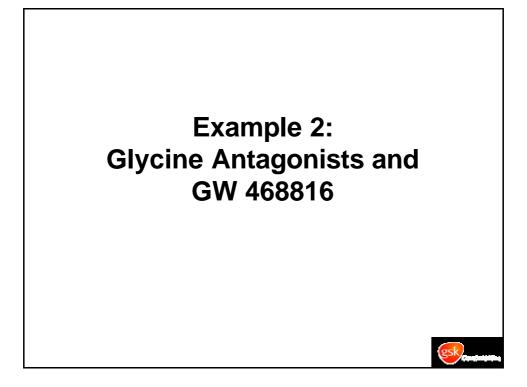
Drug Discovery Is A Complex Process

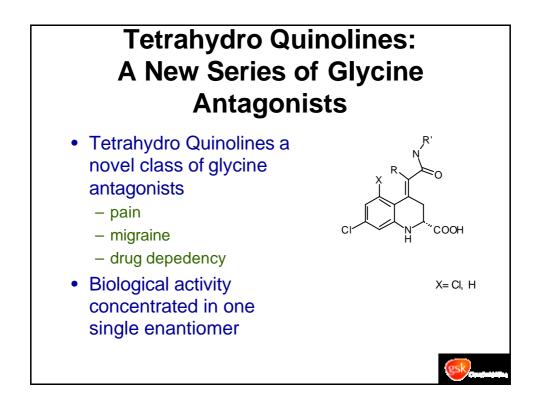


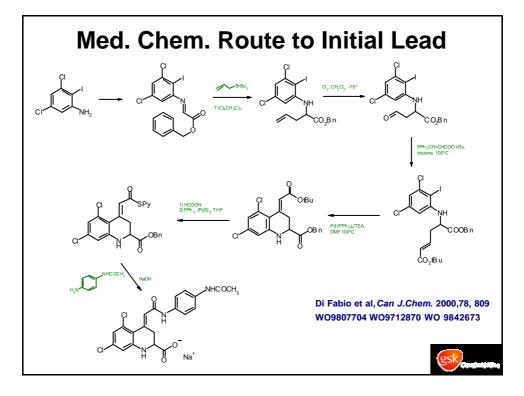


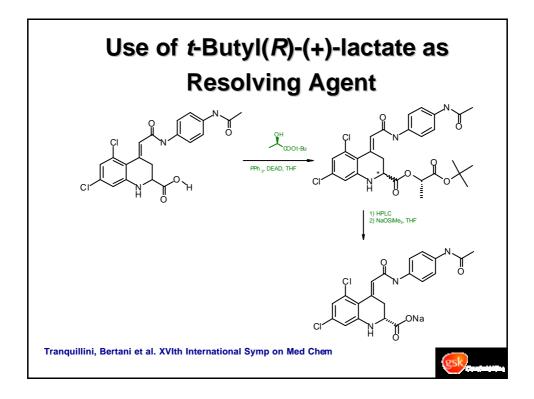


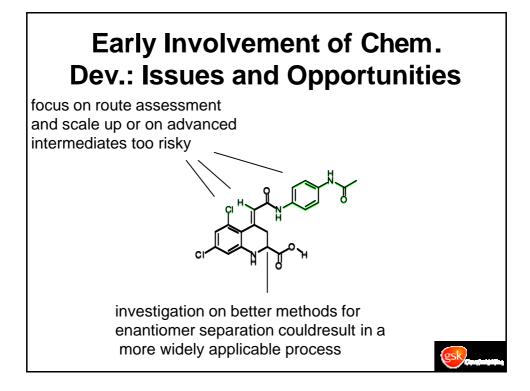


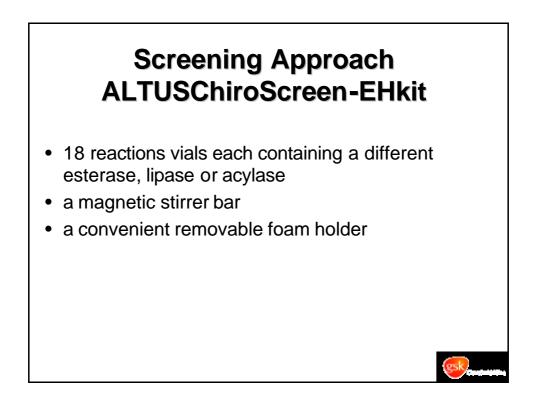


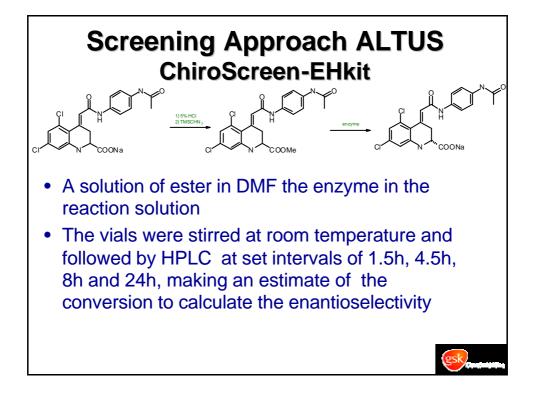












Catalyst name	% Product at 1.5h	% Product at 4.5h	% Product at 8h	% Product at 24h	Product ee at 24h*	_	
PorcineLiver esterase	50	55	60	80	0		
Candida rugosa lipase	5	8	9	20	40	4	
α-Chymotripsin	2	4	5	8	95		
Aspergillus niger lipase	0	2	3	8	96	-	
Mucor meihei lipase	0	2	3	8	0		
Chiro CLEC-CR (slurry)	0	2	8	8	34		
Subtilisin Carlsberg	0	3	4	8	95	-	
Humicola lanuginosa lipase	0	0	1	2	60		
Bacillus species protease	7	6	20	30	80		
Chiro CLEC-BL (slurry)	4	3	3	4	95		gs

