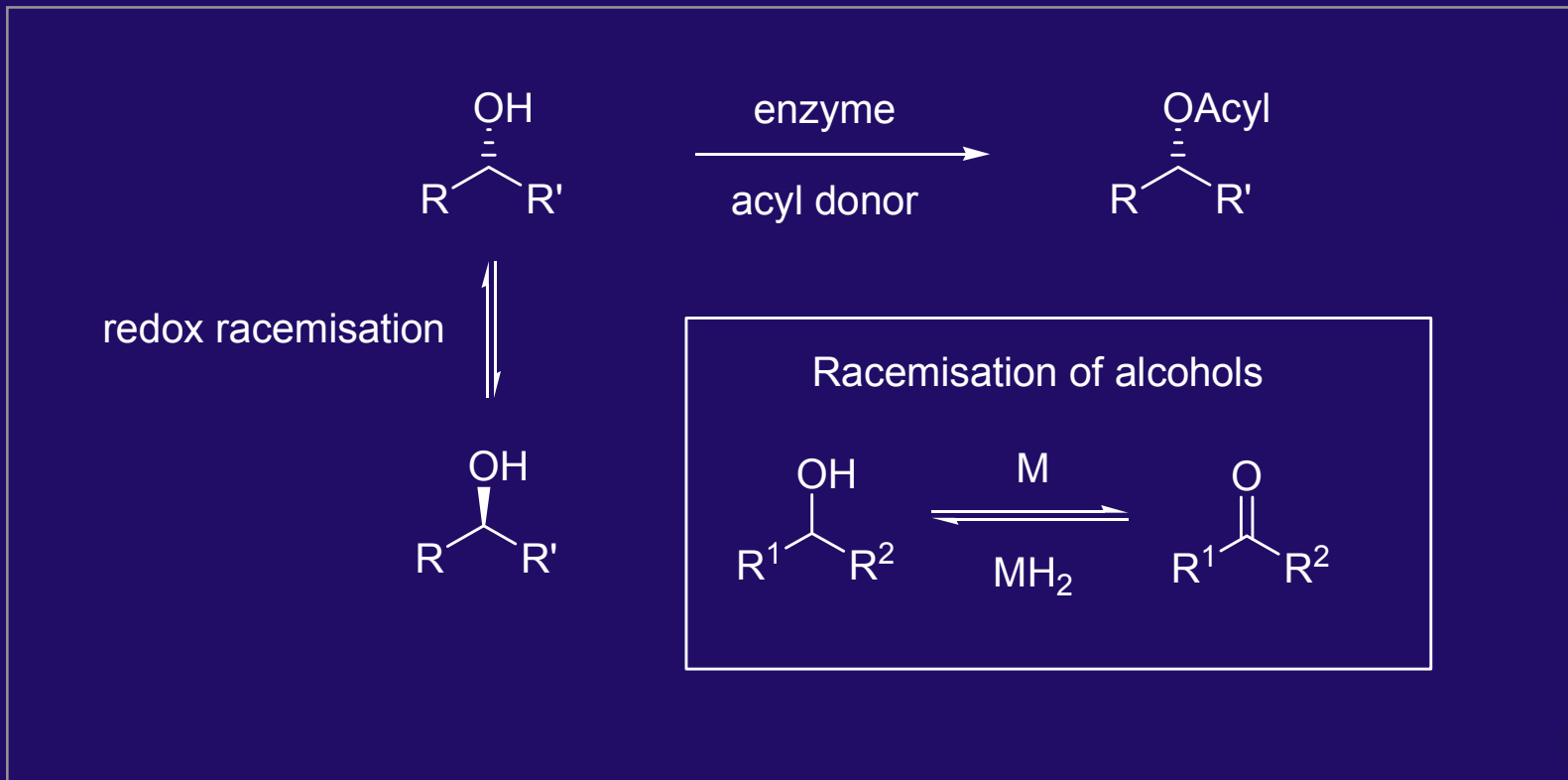
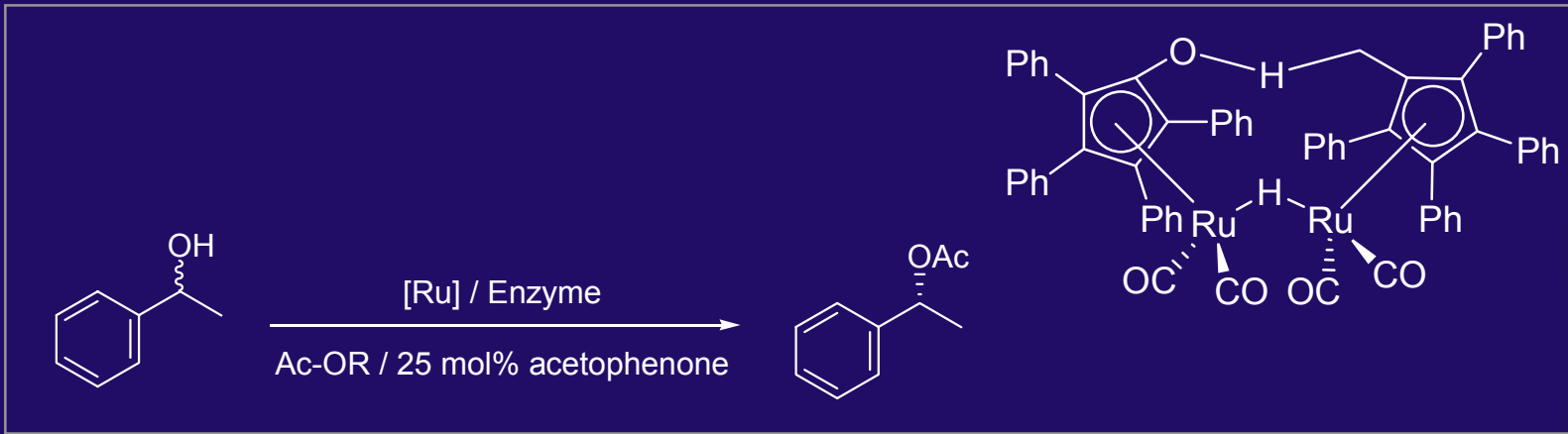


DKR of chiral alcohols: Principle



DKR 'Shvo'-catalyst

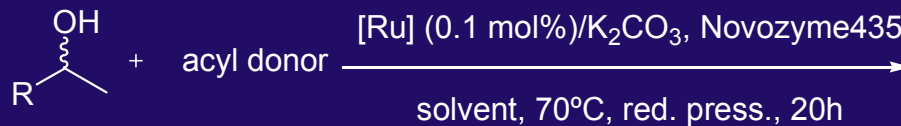


	AcOR	Mol % [Ru]	Enzyme (g/mol)	t (h)	Yield (%)	e.e. (%)
DSM (1)	Isopropenyl acetate	1	7,5	5	71	99
				21	97	99
	Isopropyl acetate	1	7,5	6	75	98
				23	99	97

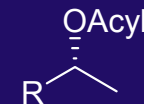
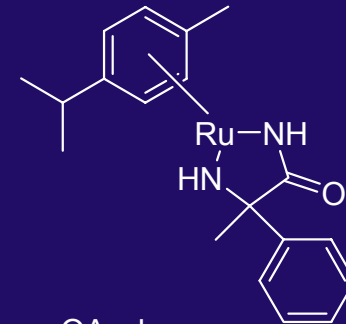
(1) WO 0190396

DKR 'DSM'-catalyst

Substrates:



[Ru]:



	Acyl donor	Y (%)	e.e. (%)
1-(4-OCH ₃ -phenyl)-ethanol	Isopropenyl acetate	79	> 99
1-(4-Cl-phenyl)-ethanol		82	98
1-(4-Br-phenyl)-ethanol		88	99
2-octanol	Isopropyl butyrate	94	96