

	B3LYP//6-31+G*	Transition	Relative		Relative
	Reactants	States (Ts)	E Kcal mol⁻¹	Cycloadducts	E Kcal mol⁻¹
Reaction 1	1,3-butadiene + formaldehyde	Ts ₁	19.6674	a ₁	-27.6777
Reaction 2	1,3-butadiene + acetaldehyde	Ts ₂	26.5589	a ₂	-18.6518
Reaction 3	1,3-butadiene + acetone	Ts ₃	31.5533	a ₃	-14.0701
Reaction 4	1,3-butadiene + cyclopropenone	Ts ₄	38.8576	a ₄	-13.7021