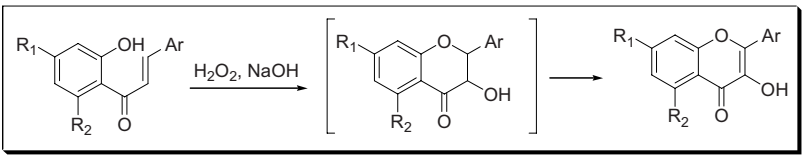
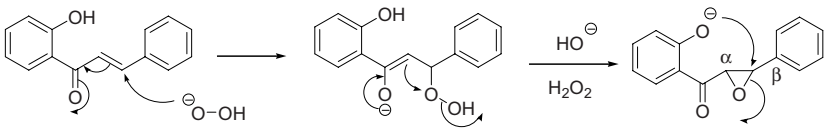
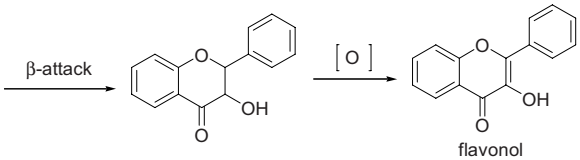
Algar–Flynn–Oyamada Reaction

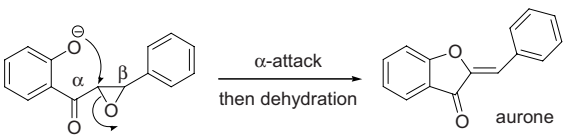
Conversion of 2′-hydroxychalcones to 2-aryl-3-hydroxy-4*H*-1benzopyran-4-ones (flavonols) by an oxidative cyclization.



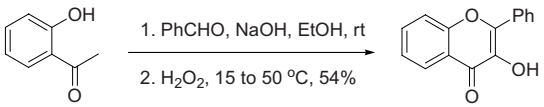




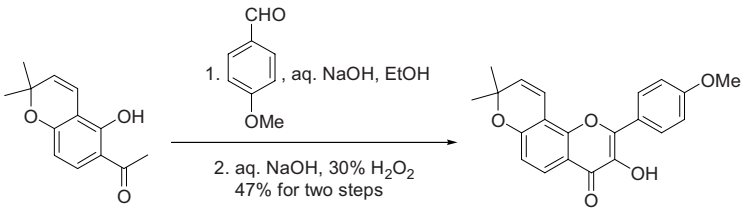
A side reaction:



Example 1[5]

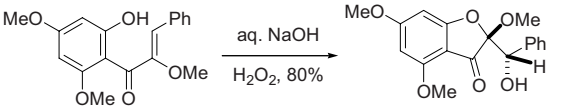


Example 2[5]

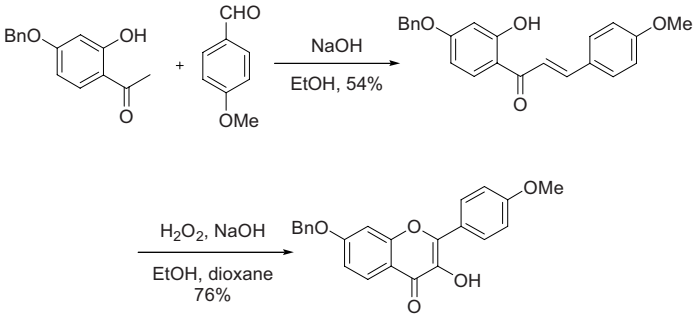


J.J. Li, *Name Reactions*, 4th ed., DOI 10.1007/978-3-642-01053-8_3,

Example 3, The side reaction dominated to give the aurone derivative:[9]



Example 4[12]



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