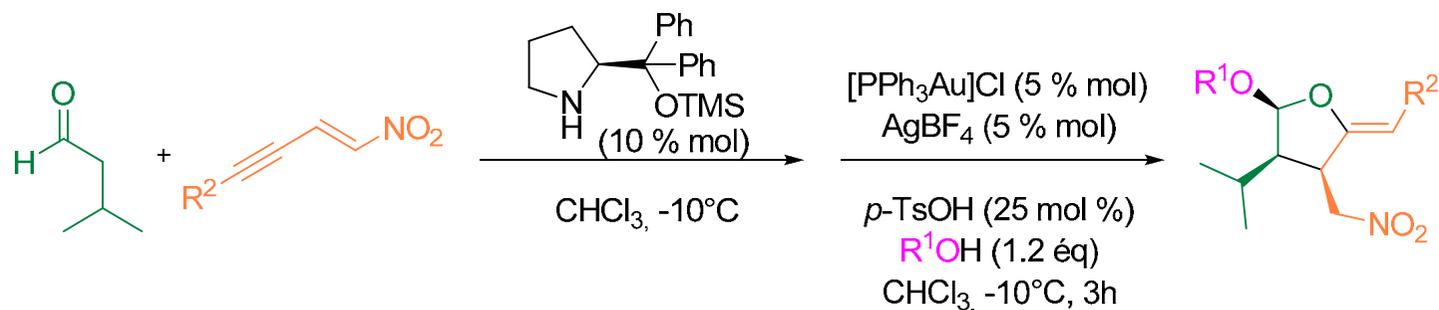
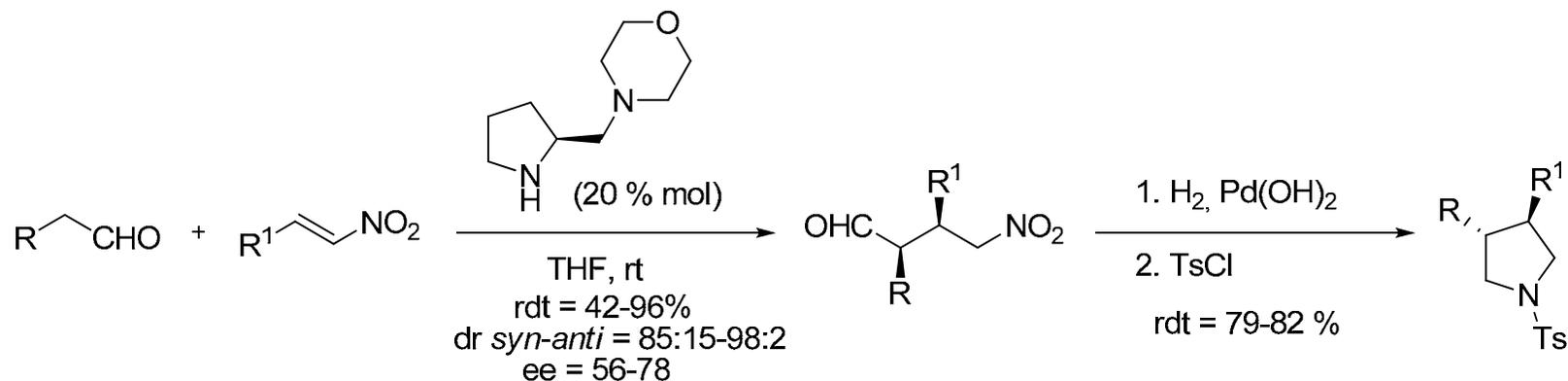


Enantioselective One-pot Organocatalytic Michael Addition/Gold-Catalyzed Tandem Acetalization/Cyclization

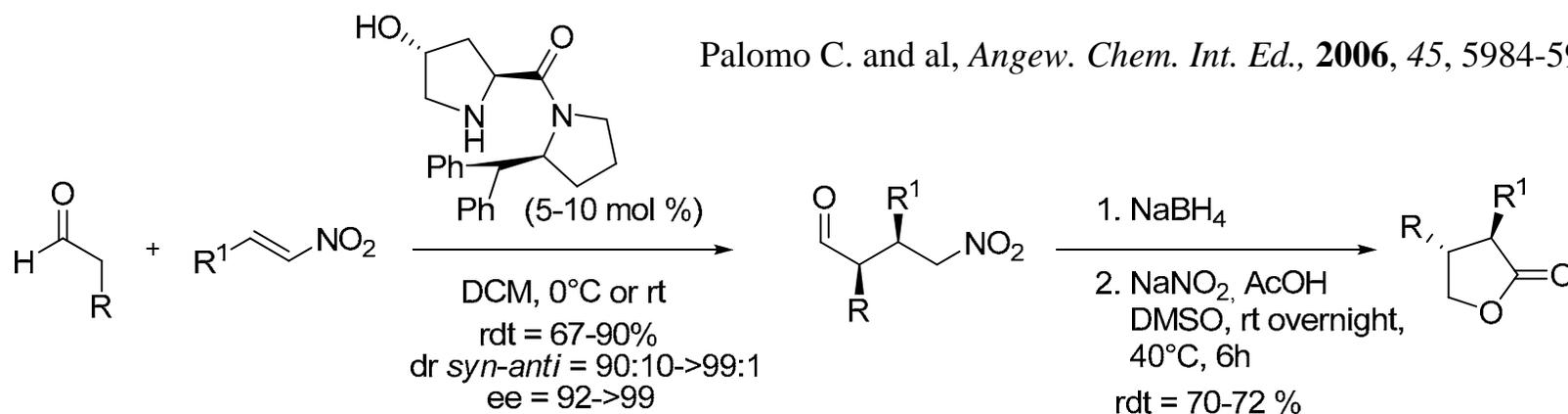


Sébastien Belot, Kim A. Vogt, Céline Besnard, Norbert Krause, and Alexandre Alexakis
 Angew. Chem. Int. Ed., **2009**, 48, asap

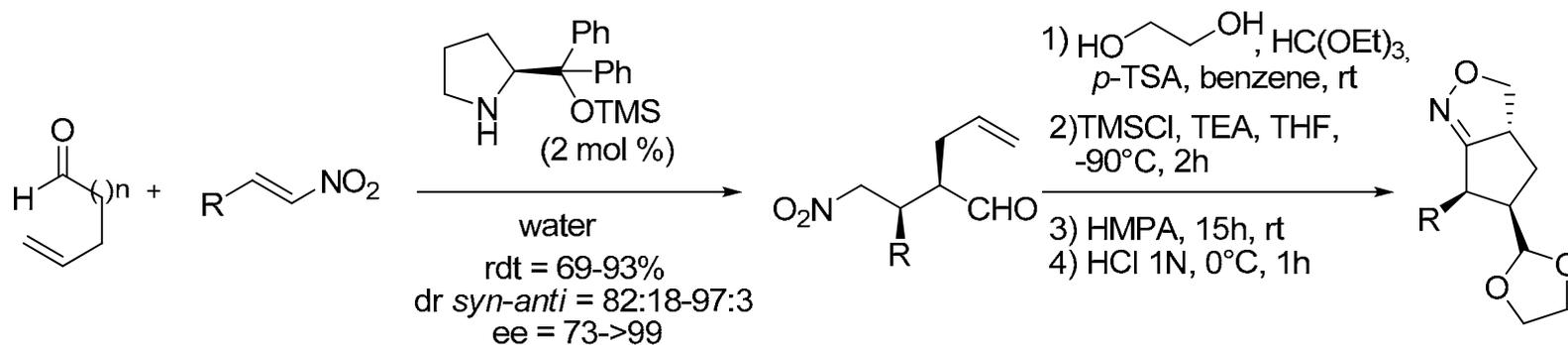
Barbas III and al., *Synthesis*, **2004**, 9, 1509-1521



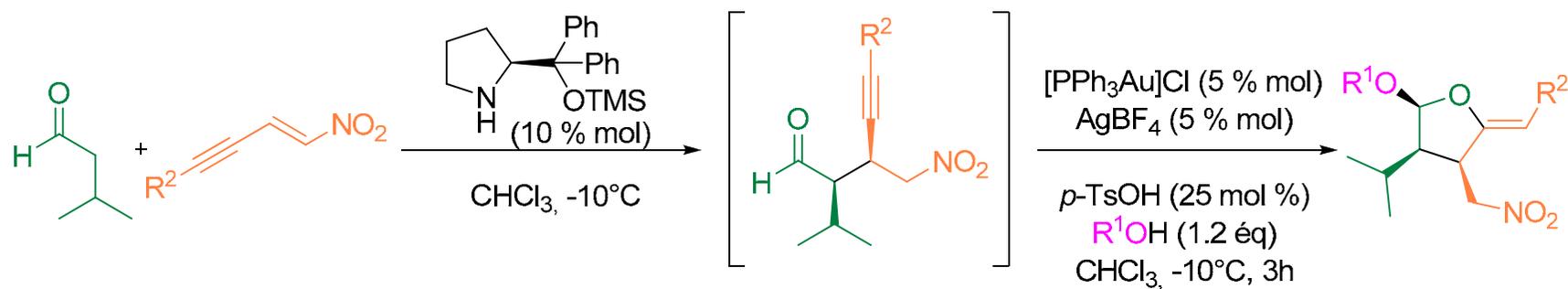
Palomo C. and al, *Angew. Chem. Int. Ed.*, **2006**, 45, 5984-5987



Bonne D. and al., *Org. Lett.*, **2008**, 10, 5409-5412

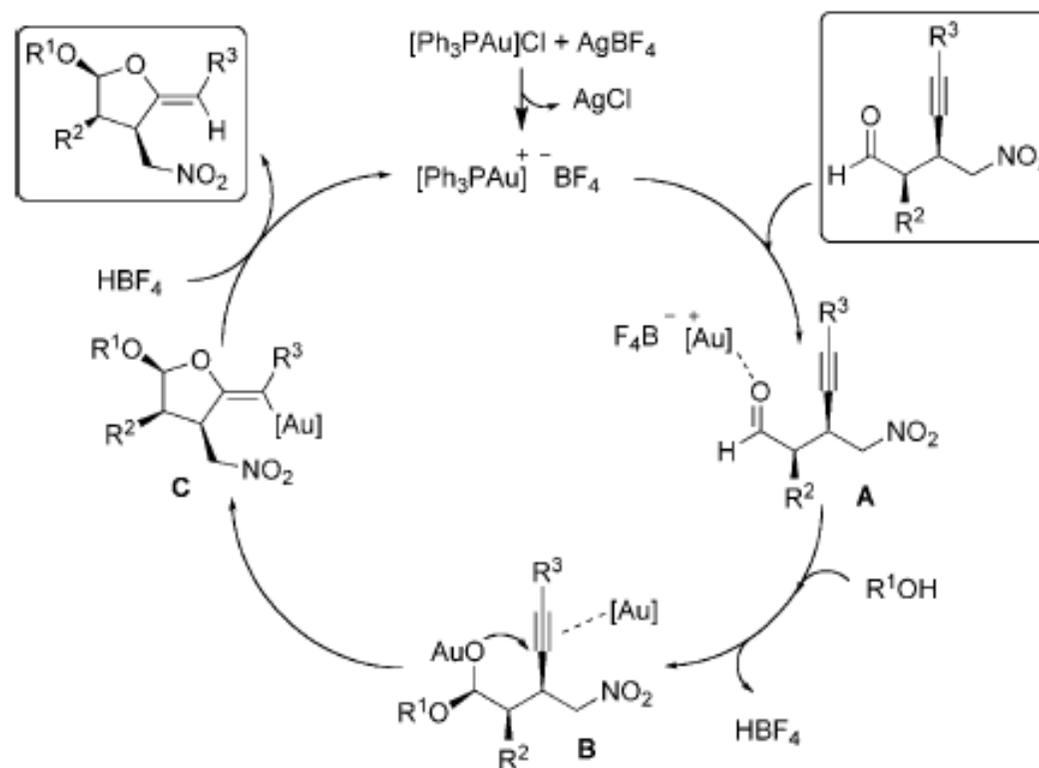


Scope of the one-pot reaction



Entry	R^1	R^2	Yield [%] ^[a]	d.r. of 3 ^[b] (<i>syn/anti</i>)	d.r. ^[c] (<i>cis/trans</i>)	ee [%] ^[d] (<i>syn</i>)
1	Et	Ph	4a : 80	96:4	92:8	99
2	Me	Ph	4b : 81	96:4	93:7	99
3	<i>iPr</i>	Ph	4c : 78	96:4	88:12	99
4	Et	<i>p</i> - BrC_6H_4	6 : 86	97:3	92:8	> 99
5	Et	<i>p</i> - $MeOC_6H_4$	7 : 77	95:5	91:9	> 99
6	Et	<i>p</i> - $CF_3C_6H_4$	8 : 84	96:4	93:7	> 96 ^[d]
7	Et	<i>m</i> - MeC_6H_4	9 : 86	96:4	91:9	> 99
8	Et	3-thienyl	10 : 75	97:3	89:11	99

Proposed mechanism for the gold-catalyzed tandem acetalization/cyclization



Scheme 4. Proposed mechanism for the gold-catalyzed tandem acetalization/cyclization.