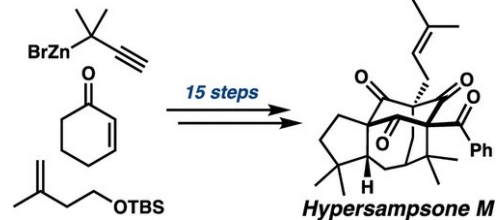


polycyclic polyprenylated acylphloroglucinols acylphloroglucinols (PPAPs)



Scheme 2. Total Synthesis of Hypersampsonne M

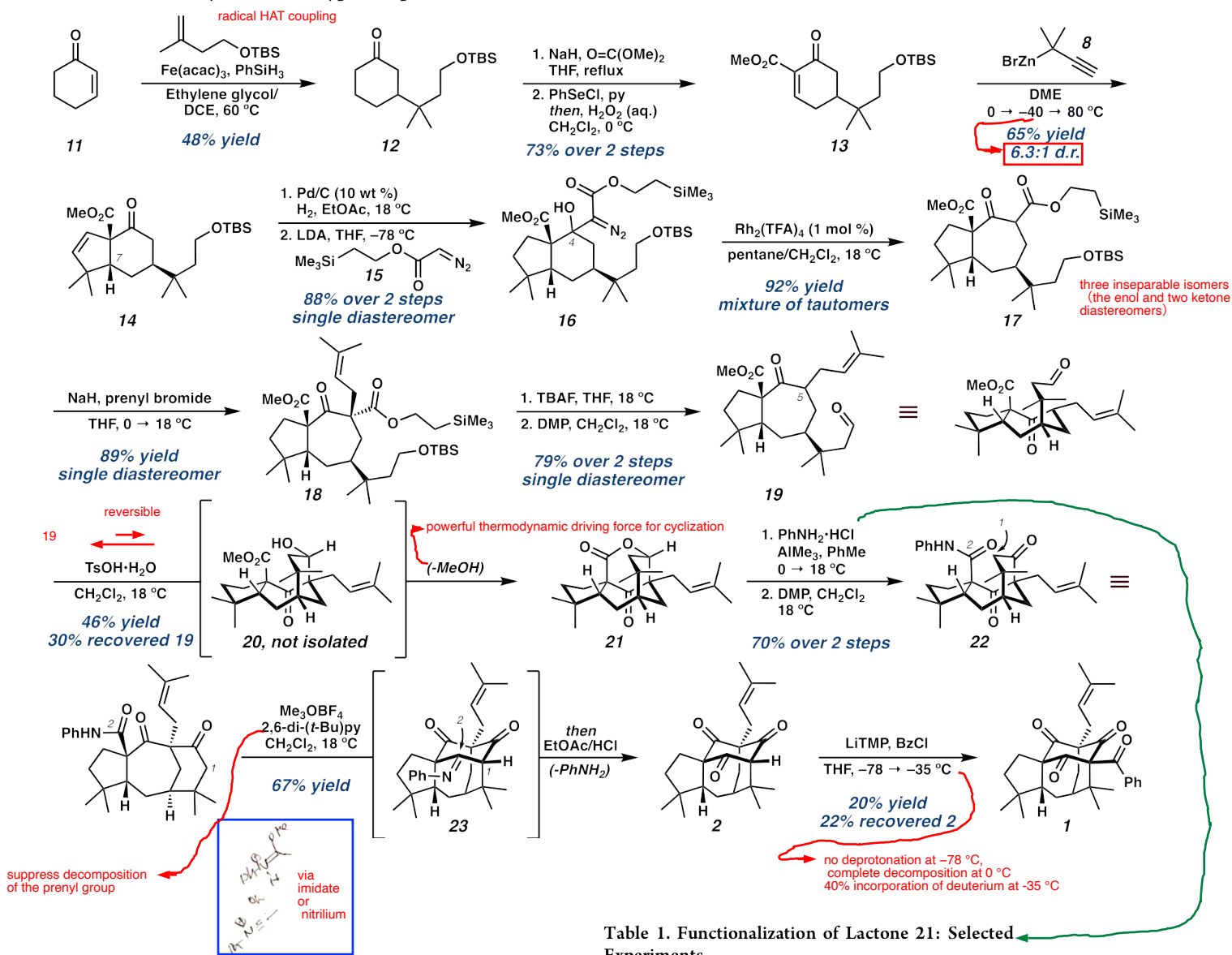
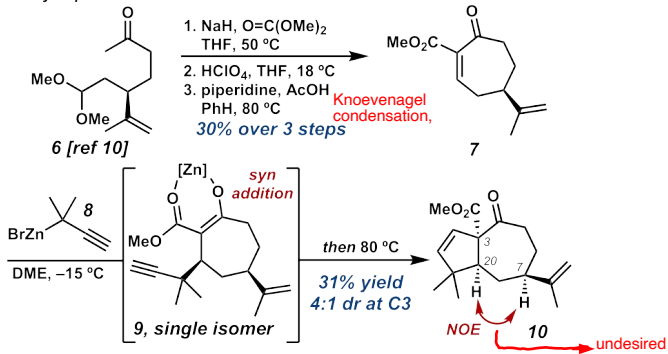


Table 1. Functionalization of Lactone 21: Selected Experiments

entry	conditions	R	results ^a
1	NaOMe/MeOH	-OMe	decomp
2	Bu ₃ SnOMe	-OMe	0%
3	Al(Oi-Pr) ₃ /MeOH	-OMe	0%
4	KOH/H ₂ O	-OH	decomp
5	NHMe(OMe)·HCl/AIME ₃	-NMe(OMe)	85%
6	NH ₄ Cl/AIME ₃	-NH ₂	73%
7	NHMe ₂ ·HCl/AIME ₃	-NMe ₂	0%
8	PhNH ₂ ·HCl/AIME ₃	-NHPh	84% ^b

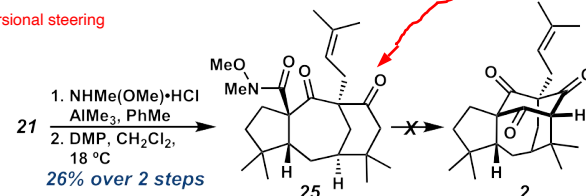
^aDetermined by ¹H NMR analysis. ^bIsolated yield.

B. Cyclopentene annulation of enone 7



The Danheiser annulation, trimethylenemethane cycloaddition, and additions of 2-(bromoisopropyl)acrylates were unsuccessful on these systems.

perhaps through torsional steering effects.



oxidation unsuccessful