

Georg

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Laurencia.

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Ad EÇ

J q y ctf."D0"O0="Hgpkecn."Y0" *Tetrahedron Lett.* **1976**, 17, 473; 647420

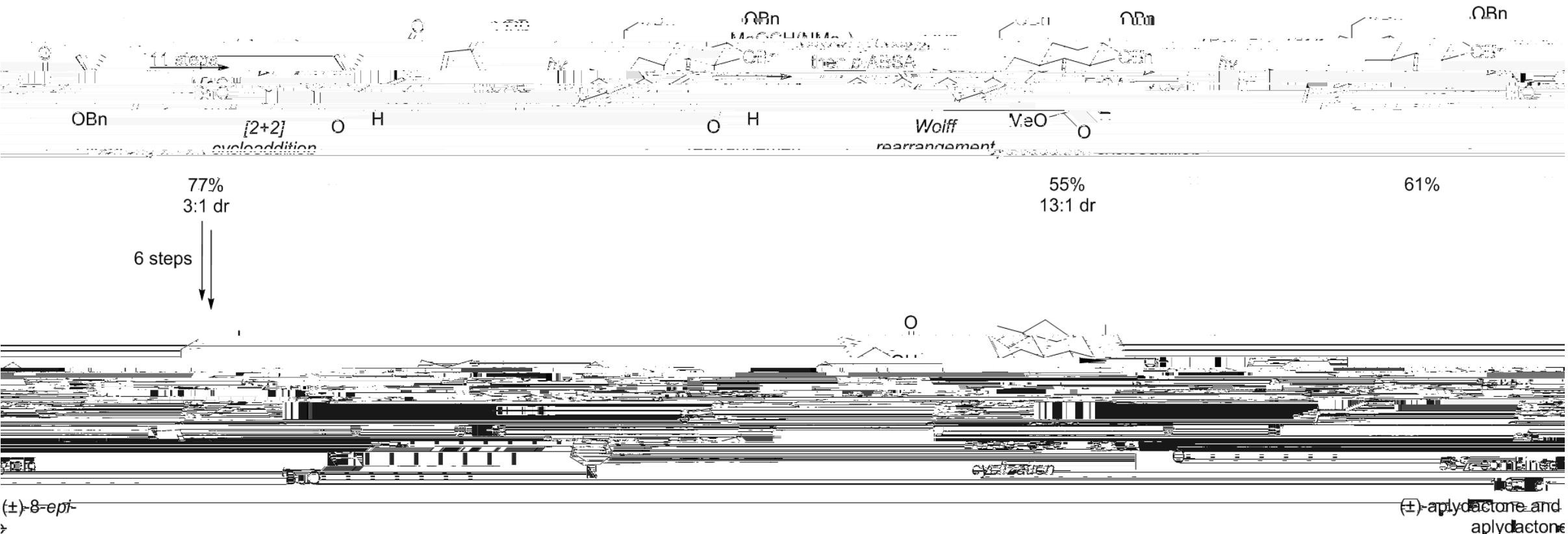
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" " " " " *Dokl. Akad. Nauk. SSSR* **1989**, 305, :996:9;0

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" " " " " *C0"J. Am. Chem. Soc.* **2001**, 123, 72667270

Hgfqtqx."U0" P0="Ujwdkpc."N0" M0="Dqfg."C0" O0="Uvqpkm."X0"C0" *Cancer Res.* **2007**, 67, 7;3667;420

Rtgxkqwu"U{pvjgugu



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Angew. Chem. Int. Ed.

Tgvtqu{pvjguku

Hqt yctf"U{pvjguku

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PDU"?N/dtq o quweekpk o kfg

W o dtgkv."O 0"C 0="Ujctrnguu."M 0"D 0"*J. Am. Chem. Soc.* **1977**, *99*, 774867774; 0

J w."F 0"Z 0="Ugkfn."H 0" L 0="Dwejgt."E 0="Dwtpu."P 0"\ 0"*J. Am. Chem. Soc.* **2015**, *137*, 59; 7659; 0

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12

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Ectnugp."R0" J 0" L0="Mcvuwmk."V0="Octvkp."X0" U0="Ujctrnguu."M0"D0" *J. Org. Chem.* **1981**, *46*, 5;5865;5:0
Dwtemng."C0" L0="Xcukngx."X0" J 0="Dwtpu."P0" \ 0" *Angew. Chem. Int. Ed.* **2016**, *55*, 3369863369;0

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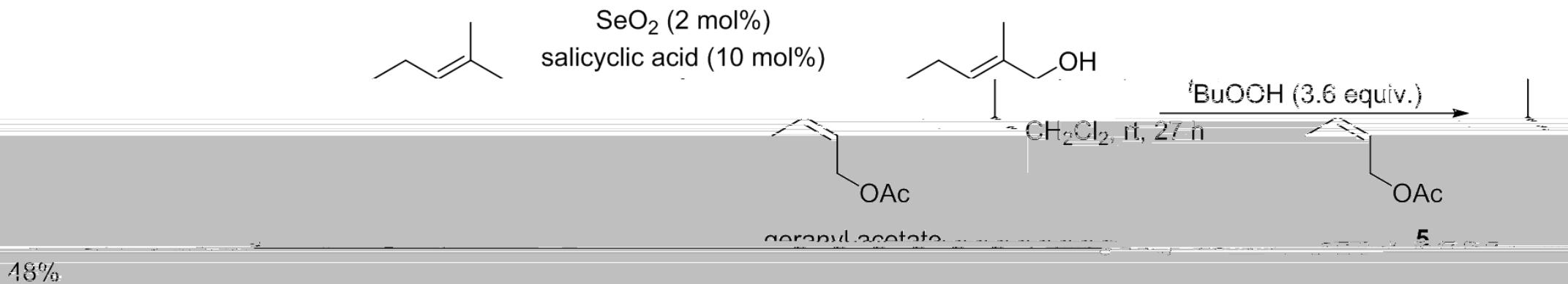
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Tkng{"UgQ₄"Qzkfcvkqp}



O ge j cpku o u<
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Ogejcpkuou<
Uqnxqn{uku/Cuukuvgf"E{enk|cvkqp



Ogejcpkuouk
Fgj{ftcvkqp"cpf"Qzkfcvkqp



Ogejcpkuouk
Urktqe{eng" Hqt o cvkqp

O_≤△

1. DBU (1.1 equiv.)

O_≤△

O_≤△

Ogejcpkuou<
O i²lVkEn₆lE J₄En₄"Ogvjgp{ncvkqp



Cngcpftk."N0"G0="Dqi fcpqxk ."D0=" I ckfkgu."C0="Lqpgu."F0" L0="Nkcq."U0="Okejcnqyke|."C0="Tq | k³tg."L0="Uejqv."C0"J.
Organomet. Chem. **1993**, 459, :96;50
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