

A: C₁₅H₂₅NO

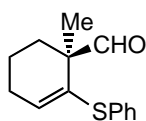
¹ H NMR (300 MHz)	¹³ C NMR (75 MHz)
6.22 (d, <i>J</i> = 5.4 Hz, 1H)	178.7
5.69 (d, <i>J</i> = 5.7 Hz, 1H)	136.7
4.39-4.16 (ABq, <i>J</i> = 11.3 Hz, 2H)	135.5
3.92-3.85 (ABq, <i>J</i> = 8.8 Hz, 2H)	86.9
3.72-3.70 (m, 2H)	82.2
3.50-3.48 (m, 2H)	71.7
3.33 (s, 3H)	68.5
2.74 (m, 1H)	67.8
2.54 (s, 1H)	58.9
1.20 (s, 9H)	46.4
	44.3
	38.8
	27.1

Feng, X.; Duesler, E. N.; Mariano, P. S.

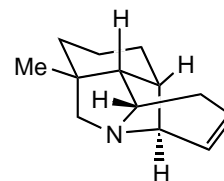
J. Org. Chem. **2005**, *70*, 5618

TS

7. 25



- 1) mCPBA, 0°C, 94%
- 2) furfurylamine-HCl, NEt₃
3A ms then NaBH₄, 91%
- 3) Br₂, AcOH - H₂O, 0°C, 77%
- 4) 0.05M toluene solution, reflux, 70%
- 5) L-Selectride, -78°C, then PhNTf₂, 70%
- 6) HCO₂H, NEt₃, PDCl₂(PPh₃)₂
60°C, 80%
- 7) 10% Na(Hg), Na₂HPO₄,
THF - t-BuOH 82%



Hetisine Alkaloids Core

Peese, K. M.; Gin, D. Y.
Org. Lett. **2005**, *7*, 3323.