

Evaluation of sparteine-like chiral diamines in the enantioselective
lithiation-electrophilic trapping of an *O*-alkyl carbamate

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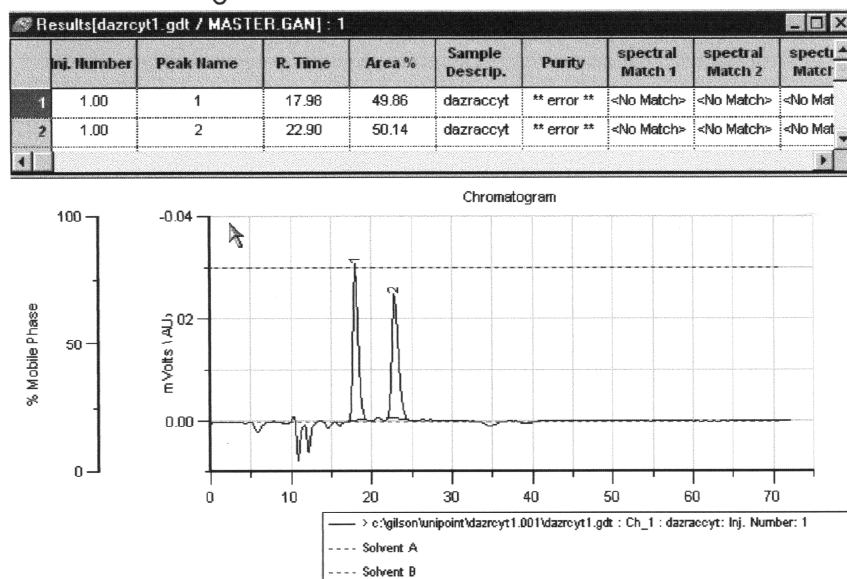
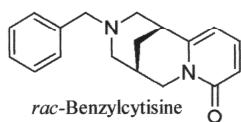
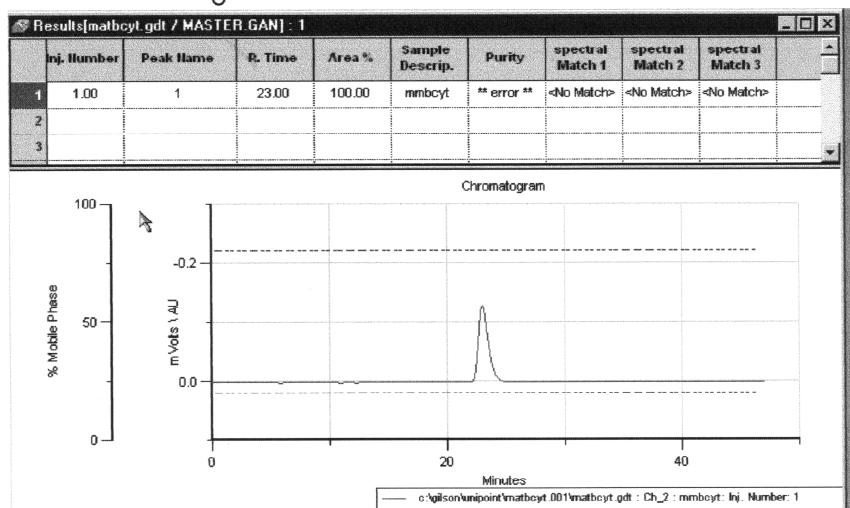
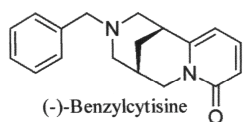
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Supporting Information:

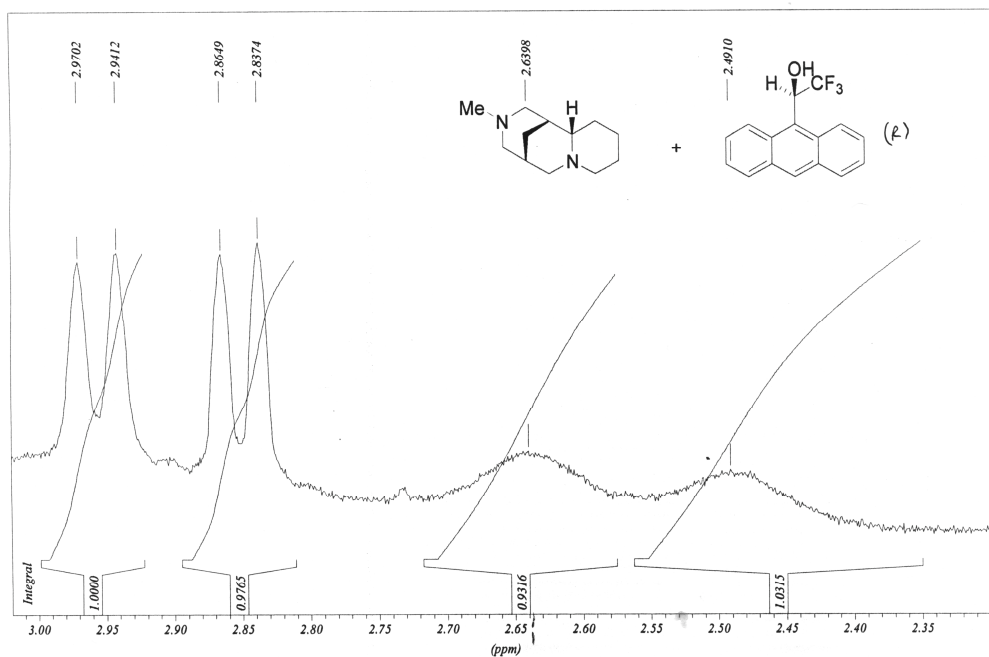
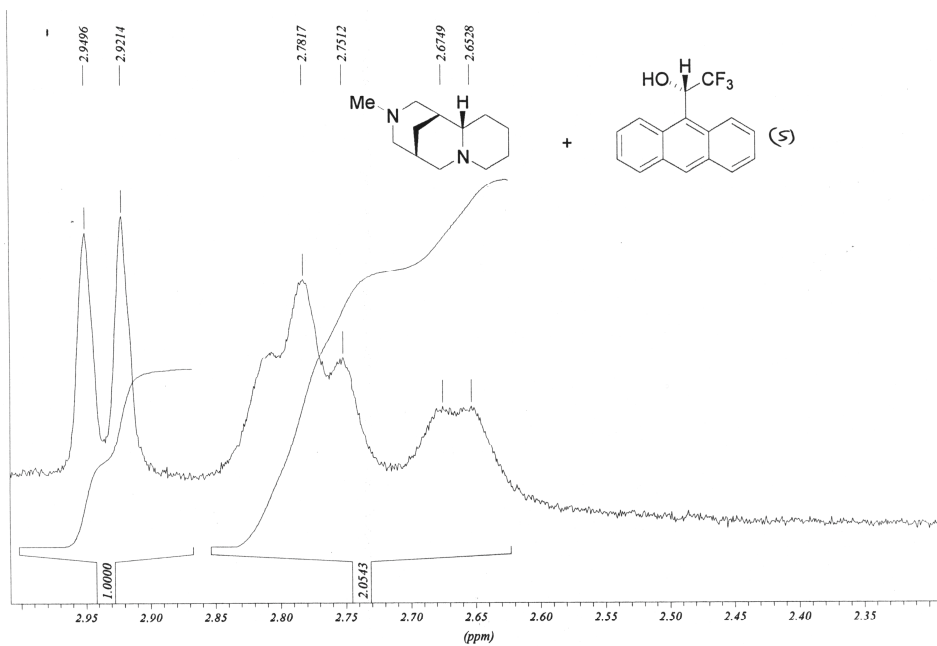
Chiral HPLC chromatograms for (–)- and *rac*-*N*-benzyl cytosine **19** and chiral shift NMR spectra of (+)-sparteine surrogate **12**.

Chiral HPLC chromatograms for (–)- and *rac*-*N*-benzyl cytisine **19**.



Chiral stationary phase HPLC was performed on a Gilson system with 712 controller software and a 118 UV/Vis diode array detector. Chiralcel OD, 20% *i*PrOH in heptane containing 0.1% Et₂NH, 0.5 cm³ min^{–1}, 254 nm, 18 min [(1*R*,9*R*)-**19**], 23 min [(1*S*,9*S*)-**19**].

Selected portions of the ^1H NMR spectra of (+)-sparteine surrogate **12** and 3 equiv. of (*S*)- or (*R*)-2,2,2-trifluoro-1-(9-anthryl)ethanol.



Selected portions of the ^1H NMR spectra of (+)-sparteine surrogate **12** and 3 equiv. of (*S*)- or (*R*)-2,2,2-trifluoro-1-(9-anthryl)ethanol.

