

Complete assignments ^1H and ^{13}C NMR spectral data of four anabaseine derivatives

Sobarzo-Sánchez, Eduardo

De La Fuente, Julio

Quezada, Elias

Castedo, Luis

The anabaseine derivatives 6-methoxy-7-hydroxy-1-(pyridin-3-yl)-3,4-dihydroisoquinoline, 6,7-dimethoxy-1-(pyridin-3-yl)-1,2,3,4-tetrahydroisoquinoline and 6,7-dimethoxy-1-(piperidin-3-yl)-1,2,3,4-tetrahydroisoquinoline were prepared either by demethylation with HBr or by reduction with different reagents, NaBH_4 and H_2/PtO_2 from 6,7-dimethoxy-1-(pyridin-3-yl)-3,4-dihydroisoquinoline, as starting material. The structures have been fully assigned by the combination of one- and two-dimensional experiments. Copyright © 2006 John Wiley & Sons, Ltd.