Complete 1H and 13C NMR spectral assignment of hydrogenated oxoisoaporphine derivatives

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2,3,8,9,10,11-Hexahydro-7H-dibenzo[de,h]quinolin-7-one, 5-methoxy-2,3,8,9,10,11-hexahydro-7H-dibenzo[de,h] quinolin-7-one, 5-methoxy-6-hydroxy-1,2,3,7a,8,9,10,11, 11a,11b-decahydro-7H-dibenzo[de,h]quinolin-7-one, 5-methoxy-5,6,8,9,10,11-hexahydro-4H-dibenzo[de,h]quinolin-7-ol, 5,6,8,9,10,11-hexahydro-4H-dibenzo[de,h]quinolin-7-ol and 5,6-dihydro-4H-dibenzo[de,h]quinolin-7-ol were prepared by catalytic hydrogenation of oxoisoaporphines or their 2,3-dihydro derivatives over PtO 2 in acetic acid under mild conditions. Their structures were confirmed and 1H and 13C NMR spectra were completely assigned using a combination of one- and two-dimensional NMR techniques.