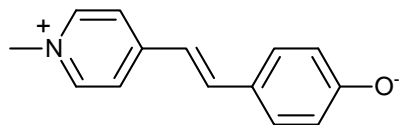


Exercise: Assign the protons in this spectrum.

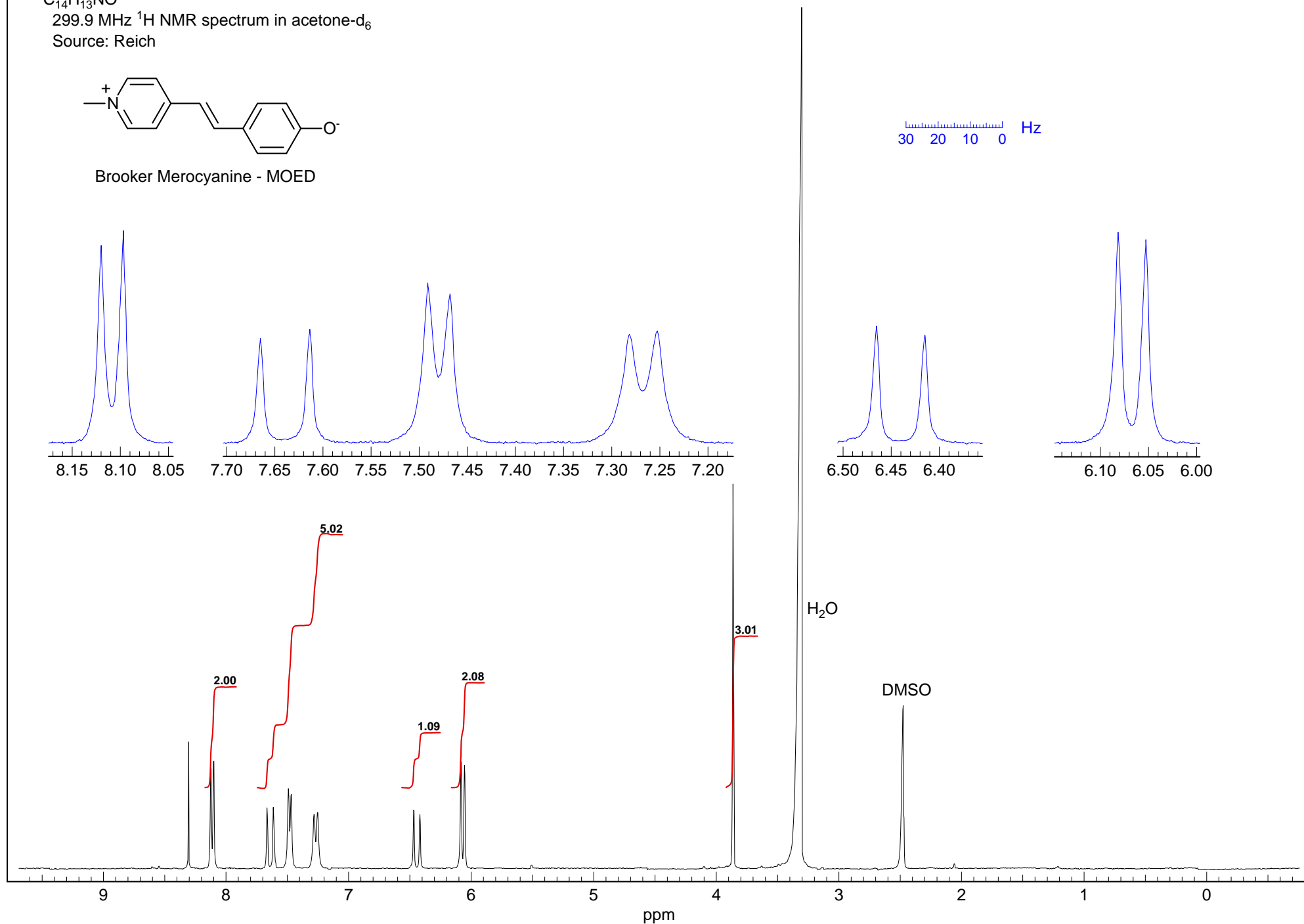
$C_{14}H_{13}NO$

299.9 MHz 1H NMR spectrum in acetone- d_6

Source: Reich



Brooker Merocyanine - MOED

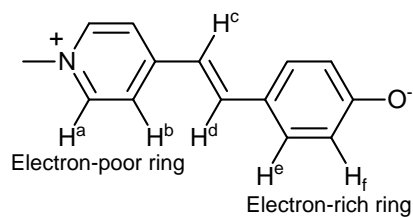


Exercise: Assign the protons in this spectrum.

$C_{14}H_{13}NO$

299.9 MHz 1H NMR spectrum in acetone- d_6

Source: Reich



Brooker Merocyanine - MOED

30 20 10 0 Hz

H^a $J = 7$ Hz

H^b $J = 7$ Hz

H^d $J = 15$ Hz

H^e $J = 9$ Hz

H^c $J = 15$ Hz

H^f $J = 9$ Hz

8.15 8.10 8.05

7.70 7.65 7.60 7.55 7.50 7.45 7.40 7.35 7.30 7.25 7.20

6.50 6.45 6.40

6.10 6.05 6.00

5.02

2.00

1.09

2.08

3.01

H_2O

DMSO

9

8

7

5

ppm

4

3

2

1

0