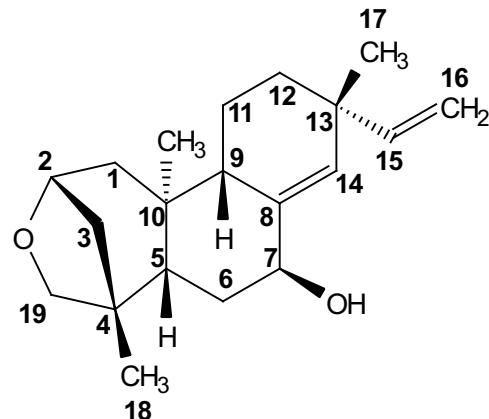


$\text{CDCl}_3$



H-9

10.21  
6.36  
2.15

H-6 $\beta$

13.91  
2.51  
2.51

H-3b

13.22  
3.58  
1.84

2.05 2.00 1.95 1.90 1.85 1.80 1.75

f1 (ppm)

H-15 H-14  
H-16a H-16b

H-7 &  
H-19a

H-19b  
H-2

OH

H-1 $\beta$   
H-3a  
& H-5

H-11 $\beta$   
H-1 $\beta$   
H-12 $\beta$   
H-6a  
H-11a  
H-12a

H-17  
H-18

H-20

\*

7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5

f1 (ppm)