

MUDAS DE *Ocotea puberula* (LAURACEAE): IDENTIFICAÇÃO E MONITORAMENTO DE ALCALOIDES APORFINOIDES

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IDENTIFICAÇÃO DA DICENTRINA (FA3)

RMN ¹H [400 MHz, CDCl₃, TMS, δ (ppm)]: 6,53 (1H, s, H-3), 2,72 (1H, m, H-4), 3,23 – 3,25 (1H, m, H-4), 2,77 (1H, m, H5), 3,23-3,25 (1H, m, H-5), 3,51 (1H, m, H6a), 2,83 (1H, t, *J*=14,0, 14,0; H-7), 3,15 (1H, dd, *J*=14,0; 4,2; H-7), 6,78 (1H, s, H-8), 7,65 (1H, s, H-11), 2,68 (3H, s, N-CH₃), 3,921 (3H, s, 9-OCH₃), 3,924 (3H, s, 10-OCH₃), 5,95 e 6,10 (1H cada, d, *J*=1,4). RMN ¹³C [100 MHz, CDCl₃, TMS, δ (ppm)]: 142,1 (C-1), 147,2 (C-2), 106,7 (C-3), 125,5 (C3a), 27,7 (C-4), 53,0 (C-5), 61,9 (C-6a), 33,2 (C-7), 127,2 (C-7a), 111,3 (C-8), 148,4 (C-9), 147,9 (C-10), 110,5 (C-11), 123,1 (C11a), 116,7 (C-11b), 124,8 (C-11c), 42,5 (N-CH₃), 55,9 (9-OCH₃), 56,1 (10OCH₃), 100,8 (1-2 O-CH₂-O).^{20,21}

IDENTIFICAÇÃO DA ISODOMESTICINA (FB)

RMN ¹H [400 MHz, CDCl₃, TMS, δ (ppm)]: 6,66 (1H, s, H-3), 2,71 (1H, m, C-4), 3,23-3,25 (1H, m, C-4), 2,74 (1H, m, C-5), 3,23-3,25 (1H, m, C-5), 3,33 (1H, m, C-6a), 2,77 (1H, t, *J*=13,9;13,9, C7), 3,02 (1H, dd, *J*=13,9;3,8, C-7), 6,75 (1H, s, C-8), 7,81 (1H, s, C-11),

2,68 (3H, s, NCH₃), 3,57 (3H, s, OCH₃), 5,98 e 5,99 (1H cada, d, *J*=1,4, OCH₂O). RMN ¹³C [100 MHz, CDCl₃, TMS, δ (ppm)]: 142,7 (C-1), 148,8 (C-2), 113,6 (C3), 128,3 (C-3a), 27,3 (C-4), 52,8 (C-5), 62,1 (C-6a), 33,9 (C-7), 129,4 (C7a), 108,5 (C-8), 147,0 (C-9), 146,7 (C-10), 107,8 (C-11), 124,9 (C-11a), 126,0 (C-11b), 124,0 (C-11c), 42,4 (NCH₃), 60,3 (OCH₃), 101,0 (OCH₂O).^{4,21}

IDENTIFICAÇÃO DA LEUCOXINA (FC)

RMN ¹H [400 MHz, CDCl₃, TMS, δ (ppm)]: 6,58 (1H, s, H-3), 3,33 (1H, m, C-4), 3,39 (1H, m, C-4), 3,59 (1H, m, H-5), 3,72 (1H, m, H-5), 3,64-3,72 (1H, m, H-7), 3,32-3,39 (1H, m, C-7), 7,26 (1H, s, H-11), 3,01 (3H, s, NCH₃), 3,90 (3H, s, OCH₃), 3,94 (3H, s, OCH₃), 5,96-6,14 (1H cada, d, *J*=1,18, OCH₂O). RMN ¹³C [100 MHz, CDCl₃, TMS, δ (PPM)]: 143,2 (C1), 148,3 (C-2), 106,8 (C-3), 125,4 (C-3a), 29,3 (C-4), 52,9 (C-5), 62,5 (C6a), 23,4 (C-7), 111,6 (C-7a), 146,2 (C-8), 135,5 (C-9), 151,6 (C-10), 102,7 (C-11), 123,3 (C-11a), 116,3 (C-11b), 126,2 (C-11c), 41,5 (C-NH₃), 60,5 (OCH₃), 55,6 (OCH₃), 101,2 (OCH₂O).^{4,21}

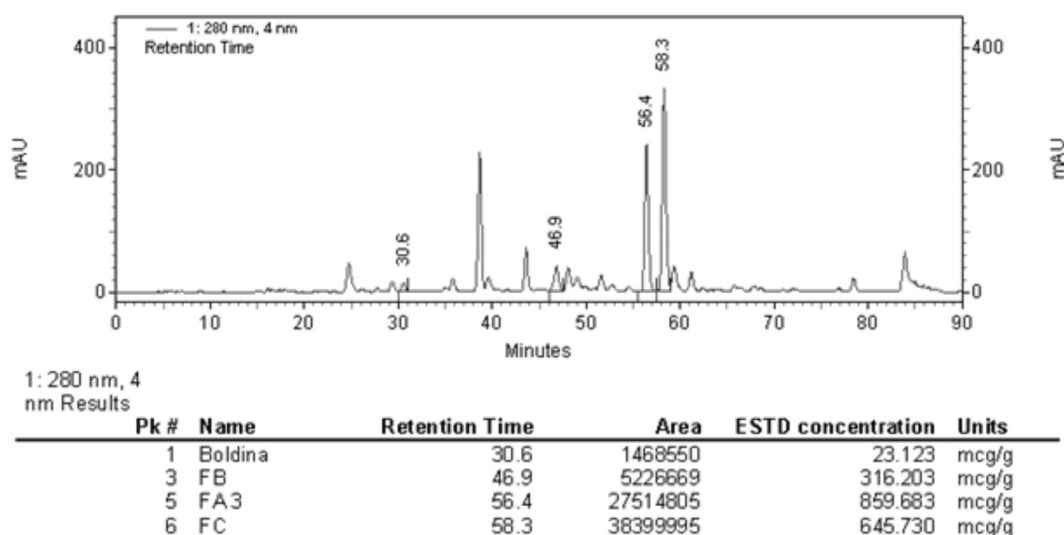


Figura 1S. Cromatograma de folhas de mudas de 3 meses de *Ocotea puberula* (F3)

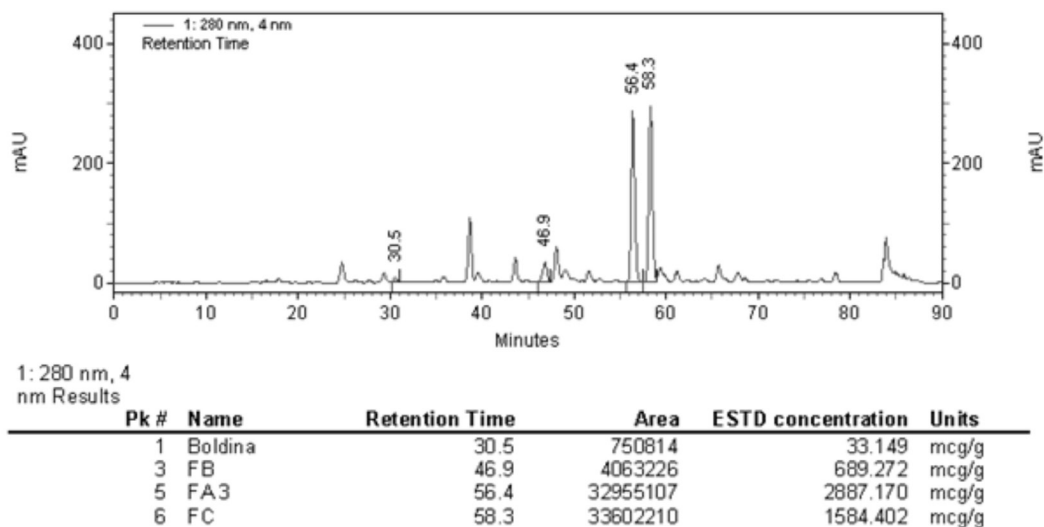


Figura 2S. Cromatograma de folhas de mudas de 6 meses de *Ocotea puberula* (F6)

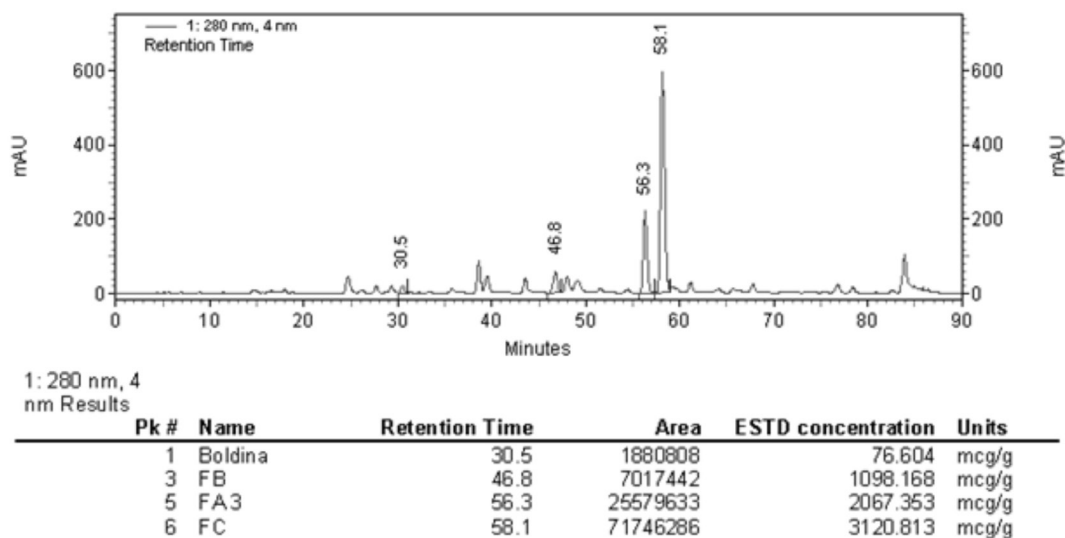


Figura 3S. Cromatograma de folhas de mudas de 9 meses de *Ocotea puberula* (F9)

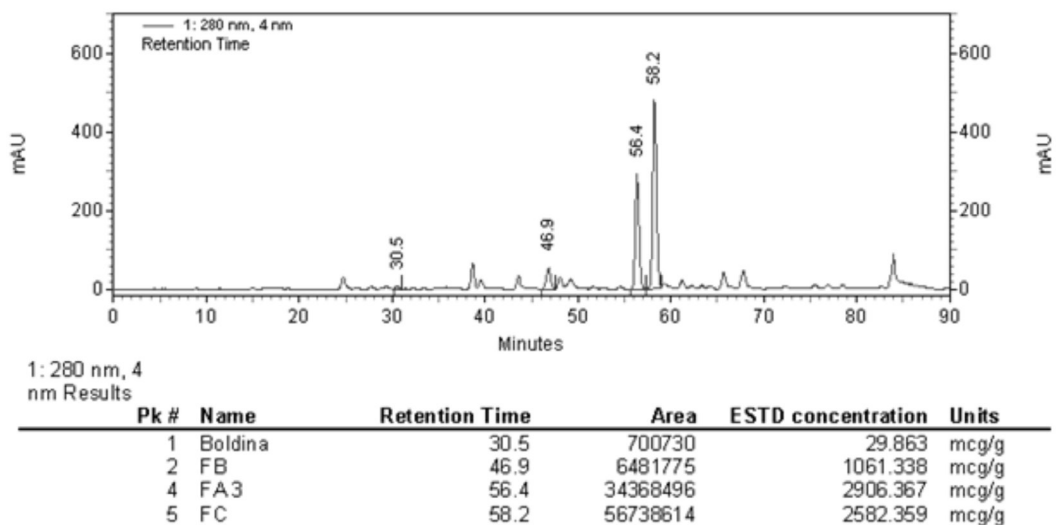


Figura 4S. Cromatograma de folhas de mudas de 12 meses de *Ocotea puberula* (F12)

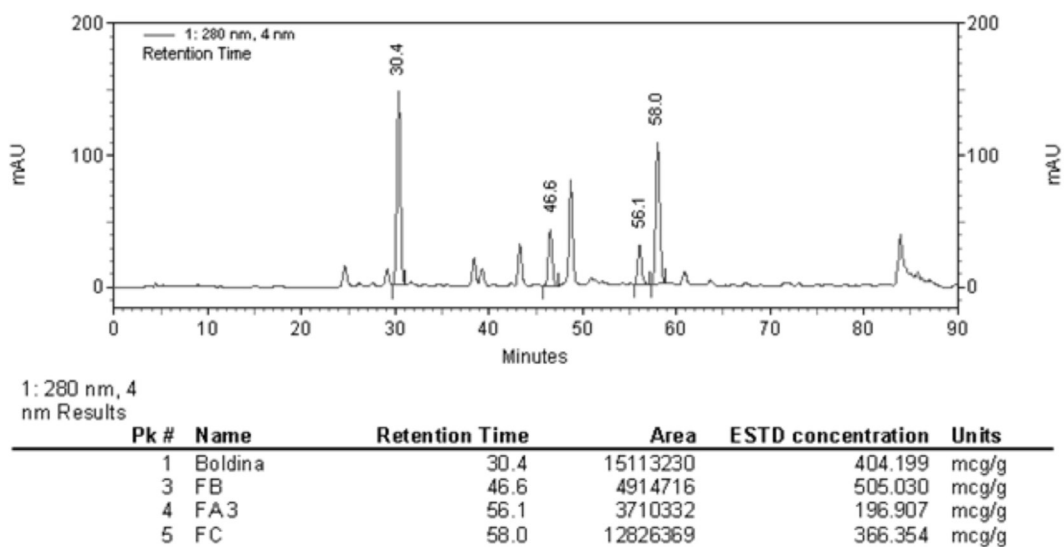


Figura 5S. Cromatograma de folhas de espécimens adultos de *Ocotea puberula* (FA)