

=CMe). 4e: 2.28 (*d*, *J* 8 Hz, H-11), 3.12 (*s*, H-1), 3.42 (*d*, *J* 10 Hz, ArCH=), 3.54 (*s*, H-4), 3.60 (*d*, *J* 8 Hz, H-10), 4.45 (*d*, *J* 10 Hz, =CH), 4.59 (*dd*, *J* 4, 2 Hz, H-6a), 5.42 (*dd*, *J* 13, 4 Hz, H-6), 5.72 (*dd*, *J* 13, 2 Hz, H-6), 6.20 (*s*, OMe), 6.23 (*s*, OMe), 7.80 (*s*, COMe), 8.54 (*s*, CMe), 8.60 (CMe)]. The PMR data show that the stereochemistry of both components is unexceptional [10]. Reflux of the mixture in 10% methanolic H₂SO₄ (40 min) gave a product from which only 6a,12a-dehydrorotenone was isolated by TLC.

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TRITERPENOIDS FROM *BYRSONIMA VERBASCIFOLIA**

OTTO R. GOTTLIEB, PAULO HENRIQUES MENDES† and
MAURO TAVEIRA MAGALHÃES†

Instituto de Química, Universidade de São Paulo, Brasil

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Key Word Index—*Byrsonima verbascifolia*; Malpighiaceae; triterpenoids; glochidone.

Plant—*Byrsonima verbascifolia* (L.) Rich. (Malpighiaceae), trivial name "murici", was collected near Brasília, D.F., and identified by the botanists A. P. Duarte and C. T. Rizzini. *Bark*. The C₆H₆ extract (134 g *ex* 11 kg) was recrystallized from MeOH giving β-amyrin (120 g). The mother-liquor was evaporated and the residue (14 g) was chromatographed on silica. Elution with solvent of gradually increasing polarity gave fractions which, after crystallization from the indicated solvents, gave sitosterol (MeOH-CHCl₃,

165 mg), friedelin (MeOH-CHCl₃, 67 mg), 3-*O*-acetyloleanolic acid (EtOAc, 51 mg), β-amyrin (500 mg), β-amyrone (MeOH-CHCl₃, 16 mg), 3-*O*-acetylpupeol (MeOH-CHCl₃, 220 mg) and glochidone (MeOH-CHCl₃, 65 mg). β-Amyrone was identified by direct comparison with a sample prepared by oxidation of β-amyrin with Jones reagent. Glochidone was identified by direct comparison with an authentic sample *ex Glochidium* sp. (Euphorbiaceae) [1] kindly supplied by Prof. T. R. Govindachari.

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† Centro de Tecnologia Agrícola e Alimentar, Embrapa, Rio de Janeiro.

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