

was distilled off, and the residue was washed with 1:1 ether-pentane and 25% NH_4OH solution. Yield 0.351 g (63%). mp 245-246°C (from EtOH). IR spectrum (KBr): 3400 (NH), 3300-2800 (NH, CH), 1690 (CO), 1645 cm^{-1} (C=N). PMR spectrum ($\text{DMSO}-d_6$): 7.95 (1H, d, 9-H), 7.55 (1H, d, 6-H), 7.50-7.20 (3H, m, 8-H and NH_2), 7.14 (1H, t, 7-H), 4.38 (2H, q, OCH_2), 3.00 (3H, s, CH_3), 1.33 ppm (3H, t, OCH_2CH_3). Mass spectrum, m/z: 270 $[\text{M}]^{+}$.

2-Amino-4-phenyl-3-ethoxycarbonylpyrimido[1,2-a]benzimidazole (IVb) was synthesized analogously to compound IVa by heating a mixture of compounds I, IIb, and IIIb. Ether was added to the cooled mixture, and the residue was filtered off and treated as in the case of compound IVa. The mixture was placed on a 20 x 3 cm column of Silpearl silica gel (eluent 20:1 chloroform-alcohol) and the fraction with R_f 0.2 was collected. The solvent was distilled off to yield 0.398 g (62%) of IVb, mp 304-305°C (from EtOH). Mass spectrum, m/z: 332 $[\text{M}]^{+}$.

3-(N-Benzoyldiamino)methylidenepentane-2,4-dione. A mixture of 4 mmoles of benzoylcyanamide, 0.4 mmoles of nickel acetylacetonate, and 16 mmoles of acetylacetone was heated at 140°C for 10 min. Excess acetylacetone was distilled off, and the residue was recrystallized from EtOH to yield 0.886 g (90%) of 3-(N-benzoyldiamino)methylidenepentane-2,4-dione, mp 127-128°C.

The elemental composition of the synthesized compounds agreed with the calculated composition.

LITERATURE CITED

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