

Turkish Journal of Chemistry

Turkish Journal


of

Chemistry

Preparation of Optically Active Amino Acid Derivatives of Some Methylated 5- Amino-Azaheterocycles

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Abstract: The present paper describes the reduction of 1-methyl-5-nitro-benzimidazoles (**1A**, **2A**) and 1,3-dimethyl-2H-5-nitro-benzimidazol-2-one (**3**) to 5-aminobenzimidazoles (**4A**, **5A**) and 1,3-dimethyl-2H-5-amino-benzimidazol-2-one (**6**) respectively with hydrazine hydrate in absolute ethanol in the presence of graphite. Compounds **5A** and **6** were converted to 2-ethyl-5-(phthaloyl-L-phenylalanyl)amino-1-methylbenzimidazole (**7**) and 1,3-dimethyl-5-(phthaloyl-L-phenylalanyl)aminobenzimidazol-2-one (**8**). Characterization of the synthesized compounds was done with the help of mass