

## SYNTHESIS OF NEW HOMODRIMANE SESQUITERPENOIDS CONTAINING DIAZINE, 1,2,4-TRIAZOLE AND CARBAZOLE RINGS

Gheorghe Duca<sup>a</sup>, Aculina Aricu<sup>a,b\*</sup>, Lidia Lungu<sup>a</sup>, Nadejda Tenu<sup>a,b</sup>, Alexandru Ciocarlan<sup>a</sup>,  
Yacob Gutu<sup>c</sup>, Ion Dragalin<sup>a</sup>, Alic Barba<sup>a</sup>

<sup>a</sup>*Institute of Chemistry, Academy of Sciences of Moldova, 3, Academiei str., Chisinau MD-2028, Republic of Moldova*

<sup>b</sup>*University of Academy of Sciences of Moldova, 3/2, Academiei str., Chisinau MD-2028, Republic of Moldova*

<sup>c</sup>*Moldova State University, 60 A, Mateevici str. Chisinau MD 2009, Republic of Moldova*

\*e-mail: [aculina.aricu@gmail.com](mailto:aculina.aricu@gmail.com)

**Abstract.** The present paper reports on six step synthesis of 11-homodrim-6,8-dien-12-oic acid *N*-substituted amides containing diazine, 1,2,4-triazole and carbazole rings based on commercially available sclareolide. The mentioned compounds were prepared for the first time by interaction of the generated *in situ* acyl chloride with some heterocyclic amines: 2- and 4-aminopyrimidine, 2-aminopyrazine, 5-amino-1,2,4-triazole and *N*-aminocarbazole. Their structures were fully elucidated by elemental and spectral analyses (IR, <sup>1</sup>H and <sup>13</sup>C NMR).

**Keywords:** sesquiterpenoid, *N*-substituted amide, heterocyclic amine, diazine, 1,2,4-triazole, carbazole, synthesis.

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