

REFERENCES :

- [1] Tsuboi, S., Morie, K., Wada, K., Sone, S., Oohigata, T., Ito, A., *Jpn Kokai Tkkyo Koho*, **1994**, JP 06b184 114 ; [*Chem. Abstr.*, **1995**, 122, 105875.
- [2] Adnan, A.B., Tarek, A.A., *Bioorg. Med. Chem.*, **2004**, 12, 1935.
- [3] Cuadro, A.M., Elguero, J., Navarro, P., *Chem. Pharm. Bull.*, **2004**, 33, 2535.
- [4] Bouabdellah, I., Ait M'Barek, L., Zyad, A., Ramdani, A., Zidane, I., Melahaoui, A., *Nat. Prod. Res.*, **2006**, 20, 1024.
- [5] El Kodadi, M., *thèse de doctorat d'état, Oujda*. **2005**.
- [6] Touzani, R., Ramdani, A., Ben-Hadda, T., El Kadiri, S., Maury, O., Le Bozec, H., Dixneuf, P.H., *Synth. Comm.*, **2001**, 31, 39.
- [7] Elouafi, A., *thèse de doctorat national, Oujda*, **2001**.
- [8] Dafali, A., *thèse de doctorat d'état, Marrakech*, **2000**.
- [9] Garbacia, S., Hillairet, C., Touzani, R., Lavastre, O., *Collect. Czech. Chem. Commun.* **2004**, 70, 34.
- [10] Touzani, R., Ramdani, A., El Kadiri, S., Gourand, F., *Molbank*, **1999**, 4. M116.
- [11] Touzani, R., Ramdani, A., El Kadiri, S., *Molbank*, **2000**, 5, M139.
- [12] El Kodadi, M., Benamar, M., Bouabdellah, I., Zyad, A., Malek, F., Touzani, R., Ramdani, A., Melahaoui, A., *Natural Product Research*, **2007**, 11, 947.
- [13] Bouabdellah, I., *Thèse de Doctorat d'état, Oujda* **2006**.
- [14] Daoudi, M., Ben Larbi, N., Kerbal, A., Bennani, B., Launay, J.P., Bonvoisin, J., Ben Hadda, T., H. Dixneuf, P., *tetrahedron*, **2006**, 62, 3123.
- [15] Sorrell, T. N., Vankai, V. A., Garvity, M. L., *Inorg. Chem.* **1991**, 30, 207.
- [16] Togni, A., Venanzi, L. M., *Angew. Chem., Int. Ed. Engl.*, **1994**, 33, 497.
- [17] Harit, T., Malek, F., El Bali B., Khan, A., Dalvandi, K., Marasini, B.P., Noreen, S., Malik, R., Khan, S., Choudary, M.I., *Medicinal Chemistry Research*, **2011**.
- [18] Bendaha, H., Yu, L., Touzani, R., Souane, R., Giaever, G., Nislow, C., Boone, C., El Kadiri, S., Brown, G.W., Bellaoui, M., *European Journal of Medicinal Chemistry*, **2011**.

- [19] Roh, S.-G. , Park,Y.-C., Park,D.-K., Kim,T.-J., Jeong, J.H., *Polyhedron*, **2001**, 20, 1961.
- [20] Scarpellini M., Wu, A. J., Kampf, J. W., Pecoraro, V. L., *Inorg. Chem*, **2005**, 44, 5001.
- [21] Boussalah, N., Touzani, R., Bouabdallah, I. , El Kadiri, S. , Ghalem, S., “Synthesis, structure and catalytic properties of tripodal amino-acid derivatized pyrazole-based ligands”, *Journal of Molecular Catalysis A: Chemical* 306, **2009**, 113–117.
- [22] Boussalah, N., Touzani, R., Bouabdallah, I. , Ghalem, S., El Kadiri, S. , “Oxidation catalytic properties of new amino Acid based on pyrazole tripodal ligands”, *International Journal of Academic Research*. 1(2), **2009**, 137-143
- [23] Boussalah, N., Touzani, R., Souna, F., Himri, I., Bouakka, M., Hakkou, A. , Ghalem, S., El Kadiri, S. , “Antifungal activities of amino acid ester functional pyrazolyl compounds against: fusarium oxysporum f.sp. albedinis and saccharmyces cerevisiae yeast” *Journal of Saudi Chemical Society* , **2013**.
- [24] Rosengarten, K., *AMI*, **1994**, 237.
- [25] Dvoretzky,I., Richter, G., *J. Org. Chem.*, **1950**, 1285.
- [26] Jones, R. G., Hannet, M. J., Lauglin, K. M., *J. Org. Chem.*, **1954**, 19, 1428.
- [27] *Bioorganic Chemistry: Peptides and Proteins*. Ed Sidney M. Hecht. Oxford University Press. **1998**. Chap1. P2.
- [28] Ricardo da Silva J.M., Darmon N., Fernandez Y., Mitjavila S., Oxygen free radical scavenger capacity in aqueous models of different procyanidins from grape seeds. *Journal of Agricultural and Food Chemistry* **1991**, 39, 549-1552.
- [29] Benzie I. F., Strain J. The ferric reducing ability of plasma (FRAP) as measure of antioxidant power : The FRAP assay. *Analytical Biochemistry* **1996**, 239, 70-76.
- [30] Re R., Pellegrini N., Proteggente A., Pannala A., Yang M., Rice- Evans C. Antioxidant activity applying an improved ABTS radical cation decolorization assay. *Free Radical Biology and Medicine* **1999**, 26, 1231-1237.

- [31] Sharma Om P., Bhat T.K., DPPH antioxidant assay revisited. *Food chemistry* **2009**, 113 (4), 1202.
- [32] Tabart J., Kevers C., Pincemail J., Defraigne J., Dommes J. Comparative antioxidant capacities of phenolic compounds measured by various tests. *Food Chemistry* **2009**, 113, 1226-1233
- [33] de Gaulejac Saint-Cricq, Provost N., Vivas N. Comparative study of polyphenol scavenging activities assessed by different methods. *Journal of Agricultural and Food Chemistry* **1999**, 47, 425-431.
- [34] Hua Li, Xiaoyu Wang, Peihong Li, Yong Li, Hua Wang. Comparative Study of Antioxidant Activity of Grape (*Vitis vinifera*) Seed Powder Assessed by Different Methods. *Journal of Food and Drug Analysis* **2008**, 16 (6), 67-73.
- [35] Blois M.S. Antioxidant determinations by the use of stable free radical. *Nature* **1958**, 181, 1199-1200.
- [36] Brand-Williams W., Cuvelier M.E., Berset C. Use of a free radical method to evaluate antioxidant activity. *Lebensmittel-Wissenschaft und Technologie* **1995**, 28, 25-30.
- [37] Sanchez-Moreno C., Larrauri Jose A ., Saura-Calixto F. A Procedure to Measure the Antiradical Efficiency of Polyphenols. *Journal of the Science of Food and Agriculture* **1998**, 76(2), 270-276.
- [38] Scherer R., Godoy H. T. Antioxidant activity index (AAI) by the 2,2 diphenyl-1-picrylhydrazyl method. *Food Chemistry* **2009**, 112, 654-658
- [39] Molyneux P., The use of stable free radical diphenylpicrilhydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin J. Sci. Technol.* **2004**, 26 (2), 211-219.
- [40] Gressler.V., Moura.S., Flores. A.F.C., Flores.C.D., Colpicolo.P., Pinto.E., Braz.J., *Chem.Soc.*, **2010**, 21, 1477.
- [41] Oyaizu.M., Studies on product of browning reaction prepared from glucose amine. *Japanese Journal of Nutrition*, **1986**, 44, 307-315.