



Synthesis and evaluation of naphthoic acid derivatives as fluorescent probes to screen advanced glycation end-products breakers

Submitted by Emmanuel Lemoine on Wed, 12/04/2013 - 16:28

Titre	Synthesis and evaluation of naphthoic acid derivatives as fluorescent probes to screen advanced glycation end-products breakers
Type de publication	Article de revue
Auteur	Séro, Luc [1], Calard, François [2], Sanguinet, Lionel [3], Levillain, Eric [4], Richomme, Pascal [5], Seraphin, Denis [6], Derbré, Séverine [7]
Editeur	Elsevier
Type	Article scientifique dans une revue à comité de lecture
Année	2012
Date	2012/11/01
Numéro	21
Pagination	6716 - 6720
Volume	22
Titre de la revue	Bioorganic and Medicinal Chemistry Letters
ISSN	0960-894X
Mots-clés	Advanced glycation end products [8], AGEs breakers [9], Assay [10], Fluorescent probes [11], Naphthoic acid [12]
Résumé en anglais	Advanced glycation end-products, namely AGEs, are involved in the pathogenesis of numerous diseases. If AGEs inhibitors are well-known, only few products are described as compounds able to destroy those deleterious products. In this work, we describe naphthoic acid derivatives, particularly 1-(naphthalen-1-yl)propane-1,2-dione 9, allowing the simple and rapid detection of AGEs breakers using a 96-well microplate fluorescence assay. Since the inaugural publication about AGEs breakers whose activity was demonstrated using HPLC analysis, this work proposes the first assay suitable for automated and high throughput screening of AGEs breakers.
URL de la notice	http://okina.univ-angers.fr/publications/ua49 [13]
DOI	10.1016/j.bmcl.2012.08.092 [14]
Lien vers le document	http://dx.doi.org/10.1016/j.bmcl.2012.08.092 [14]

Liens

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