

Accepted Manuscript

Synthesis, characterization, hypoglycemic and aldose reductase inhibition activity of arylsulfonylspiro[fluorene-9,5'-imidazolidine]-2',4'-diones

Zafar Iqbal, Shahid Hameed, Sher Ali, Yildiz Tehseen, Mohammad Shahid, Jamshed Iqbal



PII: S0223-5234(15)30038-6

DOI: [10.1016/j.ejmech.2015.05.011](https://doi.org/10.1016/j.ejmech.2015.05.011)

Reference: EJMECH 7890

To appear in: *European Journal of Medicinal Chemistry*

Received Date: 23 December 2014

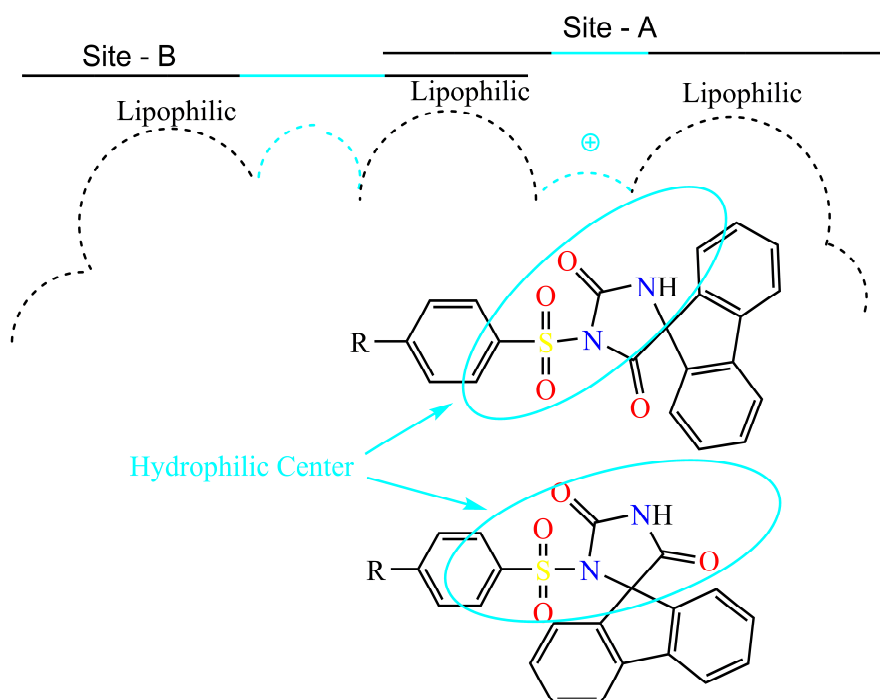
Revised Date: 30 April 2015

Accepted Date: 7 May 2015

Please cite this article as: Z. Iqbal, S. Hameed, S. Ali, Y. Tehseen, M. Shahid, J. Iqbal Synthesis, characterization, hypoglycemic and aldose reductase inhibition activity of arylsulfonylspiro[fluorene-9,5'-imidazolidine]-2',4'-diones, *European Journal of Medicinal Chemistry* (2015), doi: 10.1016/j.ejmech.2015.05.011.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Three of the synthesized sulfonylcyclic urea derivatives were found more potent *in-vivo* hypoglycemic agents than glibenclamide. In *in-vitro* ARI assay, the compounds 3a-g were found more active ALR1 inhibitors than the standard.



Download English Version:

<https://daneshyari.com/en/article/7799476>

Download Persian Version:

<https://daneshyari.com/article/7799476>

[Daneshyari.com](https://daneshyari.com)