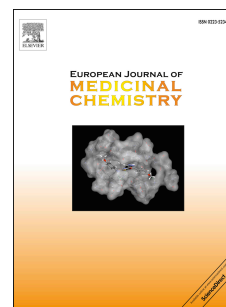


# Accepted Manuscript

Synthesis and biological evaluation of 4-(2-(dimethylamino)ethoxy) benzohydrazide derivatives as inhibitors of *Entamoeba histolytica*

Afreen Inam, Sonam Mittal, Maitreyi S. Rajala, Fernando Avecilla, Amir Azam



PII: S0223-5234(16)30665-1

DOI: [10.1016/j.ejmech.2016.08.022](https://doi.org/10.1016/j.ejmech.2016.08.022)

Reference: EJMECH 8818

To appear in: *European Journal of Medicinal Chemistry*

Received Date: 1 April 2016

Revised Date: 20 July 2016

Accepted Date: 11 August 2016

Please cite this article as: A. Inam, S. Mittal, M.S. Rajala, F. Avecilla, A. Azam, Synthesis and biological evaluation of 4-(2-(dimethylamino)ethoxy) benzohydrazide derivatives as inhibitors of *Entamoeba histolytica*, *European Journal of Medicinal Chemistry* (2016), doi: 10.1016/j.ejmech.2016.08.022.

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.

## Graphical Abstract

**Synthesis and biological evaluation of 4-(2-(dimethylamino)ethoxy) benzohydrazide derivatives as inhibitors of *Entamoeba histolytica***

Leave this area Blank for abstract info

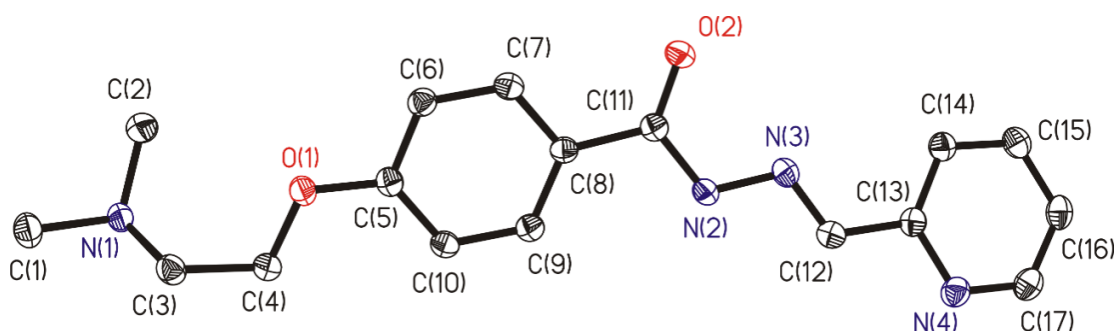
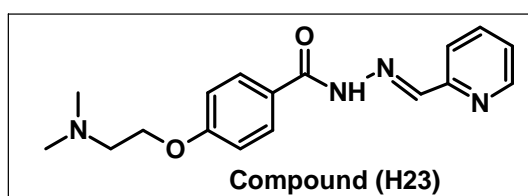
Afreen Inam<sup>a</sup>, Sonam Mittal<sup>b</sup>, Maitreyi S. Rajala<sup>b</sup>, Fernando Avecilla<sup>c</sup>, Amir Azam<sup>a\*</sup>

<sup>a</sup>Department of Chemistry, Jamia Millia Islamia, Jamia Nagar, 110 025, New Delhi, India

<sup>b</sup>School of Biotechnology, Jawaharlal Nehru University, New Delhi-110067, India

<sup>c</sup>Departamento de Química Fundamental, Universidade da Coruña, Campus da Zapateira, 15071 A Coruña, Spain

Hydrazones formed by the combination of two pharmacophores, the *N*-dimethylaminoethoxy tail and different substituted aldehydes. The hybrids (H1-H30) have been evaluated against the HM1: ISS strain of *E.histolytica* and cell viability on lung cancer cell line (A549 cells) by MTT assay.



Download English Version:

<https://daneshyari.com/en/article/7797883>

Download Persian Version:

<https://daneshyari.com/article/7797883>

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