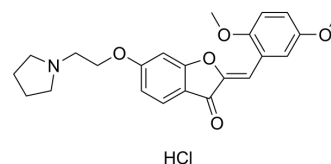


## Antileishmanial agent-14

Cat. No.:	HY-149093
CAS No.:	1638956-72-5
Molecular Formula:	C <sub>23</sub> H <sub>26</sub> ClNO <sub>5</sub>
Molecular Weight:	431.91
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Antileishmanial agent-14 is a sulfuretin analog with potential activity against the parasite <i>Leishmania donovani</i> promastigotes (IC <sub>50</sub> =4.1 μM). Antileishmanial agent-14 also inhibits infection by <i>L. donovani</i> amastigotes (IC <sub>50</sub> =11.1 μM) <sup>[1]</sup> .
<b>In Vitro</b>	Antileishmanial agent-14 (compound 2o) (25 μM, 50 μM) inhibits activity of <i>L. donovani</i> amastigotes with inhibitory rates of 116% and 115% at 25 μM and 50 μM, respectively <sup>[1]</sup> . Antileishmanial agent-14 decreases <i>L. donovani</i> amastigotes parasite number with IC <sub>50</sub> of 4.6 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Hassan AHE, et al. Design, synthesis, and repurposing of O6-aminoalkyl-sulfuretin analogs towards discovery of potential lead compounds as antileishmanial agents. *Eur J Med Chem.* 2023 May 5;251:115256.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA