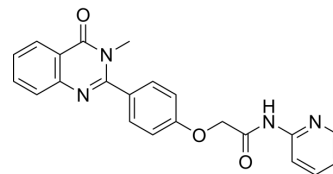


## Antileishmanial agent-19

Cat. No.:	HY-155520
Molecular Formula:	C <sub>22</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	386.4
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antileishmanial agent-19 (Compound F27) is an antileishmanial agent, with a IC<sub>50</sub> of 3.39 μM for *L. donovani* promastigotes. Antileishmanial agent-19 inhibits Leishmania prolyl-tRNA synthetase. Antileishmanial agent-19 inhibits host PI3K/Akt/CREB axis-mediated IL-10 secretion. Antileishmanial agent-19 induces autophagy-mediated apoptosis in *L. donovani* promastigotes. Antileishmanial agent-19 reduces parasite burden in L.d-infected animals<sup>[1]</sup>.

### REFERENCES

[1]. Ansari A, et al. Discovery, SAR and mechanistic studies of quinazolinone-based acetamide derivatives in experimental visceral leishmaniasis. *Eur J Med Chem.* 2023 Sep 5;257:115524.

**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