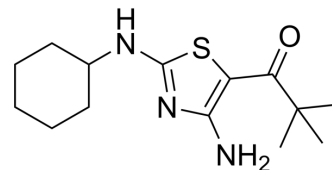


## Antitrypanosomal agent 14

Cat. No.:	HY-155025
CAS No.:	1447933-37-0
Molecular Formula:	C <sub>14</sub> H <sub>23</sub> N <sub>3</sub> OS
Molecular Weight:	281.42
Target:	Parasite; GSK-3
Pathway:	Anti-infection; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antitrypanosomal agent 14 (Compound 1) is a *T. brucei* inhibitor (EC<sub>50</sub>: 0.47 μM). Antitrypanosomal agent 14 inhibits *Tb*GSK3 with an IC<sub>50</sub> of 12 μM. Antitrypanosomal agent 14 can be used for the research of Human African trypanosomiasis<sup>[1]</sup>.

### REFERENCES

[1]. Cleghorn LAT, et al. Development of a 2,4-Diaminothiazole Series for the Treatment of Human African Trypanosomiasis Highlights the Importance of Static-Cidal Screening of Analogues. *J Med Chem.* 2023 Jul 13;66(13):8896-8916.

**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