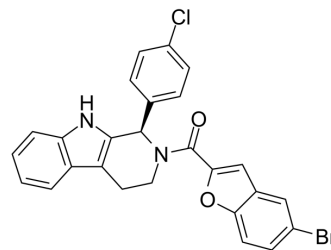


## Antimalarial agent 12

Cat. No.:	HY-143487
CAS No.:	2715225-58-2
Molecular Formula:	C <sub>26</sub> H <sub>18</sub> BrClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	505.79
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antimalarial agent 12 (compound R-3b) is a potent antimalarial agent. Antimalarial agent 12 shows growth inhibition on *P. falciparum* Dd2 Strain (EC<sub>50</sub>=155 nM), 3D7 strain (EC<sub>50</sub>=136 nM). Antimalarial agent 12 has CC<sub>50</sub> values of 10,000 to 50,000 nM for HEK-293 and hPHeP cell lines. Antimalarial agent 12 has a MIC of >250,000 nM for *Escherichia coli*<sup>[1]</sup>.

### REFERENCES

[1]. Hanan Almolhim, et al. Enantiopure Benzofuran-2-carboxamides of 1-Aryltetrahydro-β-carbolines Are Potent Antimalarials In Vitro. *ACS Med Chem Lett.* 2022 Feb 24;13(3):371-376.

**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