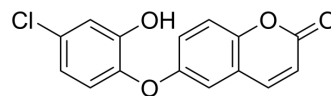


## PfFAS-II inhibitor 1

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-160633   |
| CAS No.:           | 1459704-68-7  |
| Molecular Formula: | C <sub>15</sub> H <sub>9</sub> ClO <sub>4</sub>   |
| Molecular Weight:  | 288.68  |
| Target:            | Others  |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |
|---------------------------|---|
| Description               | PfFAS-II inhibitor 1 (Compound 3) is a Plasmodium falciparum type II fatty acid biosynthesis pathway (PfFAS-II) inhibitor, with an IC <sub>50</sub> of 0.63 μM for PfFabI enzyme. PfFAS-II inhibitor 1 has antimalarial activity <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | Plasmodium falciparum Type II Fatty Acid Biosynthesis Pathway (PfFAS-II) <sup>[1]</sup>   |

### REFERENCES

[1]. Belluti F, et al. Design, synthesis, and biological and crystallographic evaluation of novel inhibitors of Plasmodium falciparum enoyl-ACP-reductase (PfFabI). J Med Chem. 2013 Oct 10;56(19):7516-26.

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

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