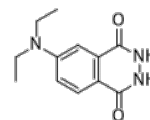


**Product Name** : QDPR inhibitor 9b  
**Cat. No.** : PC-22340  
**CAS No.** : 29415-71-2  
**Molecular Formula** : C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 233.27  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



CAS: 29415-71-2

## Biological Activity

QDPR inhibitor 9b is a small molecule inhibitor of quinonoid dihydropteridine reductase (QDPR) with IC<sub>50</sub> of 0.72  $\mu$ M. Treatment with QDPR inhibitor 9b combined with methotrexate (MTX), an inhibitor of another BH<sub>4</sub>-reducing enzyme, dihydrofolate reductase (DHFR), significantly oxidized intracellular redox states in HepG2, Jurkat, SH-SY5Y, and PC12D cells.

## References

Satoshi Hara, et al. Biochem Biophys Res Commun. 2024 May 4:717:150059.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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