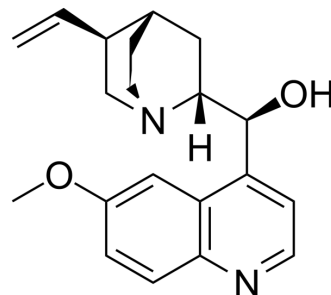


## Ep vinyl quinidine

Cat. No.:	HY-114029
CAS No.:	101143-87-7
Molecular Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	324.42
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Ep vinyl quinidine (3-Epiquinine) is an epi-vinyl stereoisomer of Quinidine. Quinidine is an antiarrhythmic agent. Quinidine is a potent, orally active, selective cytochrome P450db inhibitor. Quinidine is also a K <sup>+</sup> channel blocker with an IC <sub>50</sub> of 19.9 μM. Quinidine can be used for malaria research <sup>[1][2][3]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Parasite <sup>[1]</sup>

### REFERENCES

- [1]. Hu B, et al. Origin of and a Solution for Uneven Efficiency by Cinchona Alkaloid-Derived, Pseudoenantiomeric Catalysts for Asymmetric Reactions. *J Am Chem Soc.* 2018 Oct 24;140(42):13913-13920.
- [2]. Kehl SJ. Quinidine-induced inhibition of the fast transient outward K<sup>+</sup> current in rat melanotrophs. *Br J Pharmacol.* 1991 Jul;103(3):1807-13.
- [3]. Roden DM, et al. Class I antiarrhythmic agents: quinidine, procainamide and N-acetylprocainamide, disopyramide. *Pharmacol Ther.* 1983;23(2):179-91.

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

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