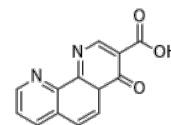


**Product Name** : 1,4-DPCA  
**Cat. No.** : PC-25242  
**CAS No.** : 331830-20-7  
**Molecular Formula** : C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 240.22  
**Target** : HIF/HIF Prolyl-hydroxylase  
**Solubility** : 10 mM in DMSO



### Biological Activity

1,4-DPCA is a potent prolyl-4-hydroxylase (P4H) inhibitor, inhibits collagen hydroxylation in human foreskin fibroblasts with IC<sub>50</sub> of 2.4 μM, inhibits prolyl-4-hydroxylases α isoforms stabilizes HIF-1α protein.

### References

Yong Zhang, et al. Sci Transl Med. 2015 Jun 3;7(290):290ra92.

Gaofeng Xiong, et al. BMC Cancer. 2014 Jan 2;14:1.

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

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