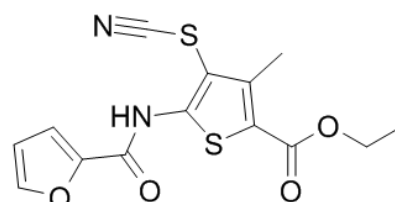


**Product Name** : CBR-5884  
**Cat. No.** : PC-42027  
**CAS No.** : 681159-27-3  
**Molecular Formula** : C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 336.3861  
**Target** : PHGDH  
**Solubility** : 10 mM in DMSO



## Biological Activity

CBR-5884 (CBR5884) is a potent, selective, noncompetitive inhibitor of 3-phosphoglycerate dehydrogenase (**PHGDH**) with IC<sub>50</sub> of 7  $\mu$ M.

CBR-5884 selectively inhibits de novo serine synthesis in cancer cells with IC<sub>50</sub> of 30  $\mu$ M.

CBR-5884 shows a time-dependent onset of inhibition and disrupted the oligomerization state of PHGDH.

## References

Mullarky E, et al. *Proc Natl Acad Sci U S A*. 2016 Feb 16;113(7):1778-83.

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

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