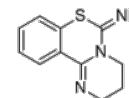


**Product Name** : PD 404182  
**Cat. No.** : PC-60661  
**CAS No.** : 72596-74-8  
**Molecular Formula** : C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>S  
**Molecular Weight** : 217.29  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

PD 404182 (PD404182, PD-404182) is a heterocyclic iminobenzothiazine derivative with antimicrobial and anti-inflammatory properties, a potent inhibitor of human **DDAH1** activity (IC<sub>50</sub>=9 μM) and elevates cellular ADMA levels. PD 404182 significantly increases intracellular levels of ADMA and reduces LPS-induced NO production in cultured primary human vascular endothelial cells (ECs).

PD 404182 abrogates the formation of tube-like structures by ECs in in vitro angiogenesis assay.

PD 404182 also shows **anti-HIV and anti-HSV** activities.

## References

Ghebremariam YT, et al. *J Pharmacol Exp Ther.* 2014 Jan;348(1):69-76.

Mizuhara T, et al. *Bioorg Med Chem.* 2013 Apr 1;21(7):2079-87.

Ghebremariam YT, et al. *J Pharmacol Exp Ther.* 2014 Jan;348(1):69-76.

Chamoun-Emanuel AM, et al. *Antimicrob Agents Chemother.* 2014;58(2):687-97.

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

E-mail: tech@probechem.com