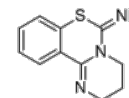


Product Name : PD 404182
Cat. No. : PC-60661
CAS No. : 72596-74-8
Molecular Formula : C₁₁H₁₁N₃S
Molecular Weight : 217.29
Target : Other Targets
Solubility : 10 mM in DMSO



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 (IC₅₀=9 uM) 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-Emanuelli AM, et al. *Antimicrob Agents Chemother*. 2014;58(2):687-97.

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

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