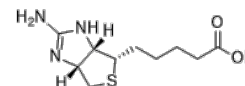


Product Name : 2-Iminobiotin
Cat. No. : PC-28056
CAS No. : 13395-35-2
Molecular Formula : C₁₀H₁₇N₃O₂S
Molecular Weight : 243.33
Target : Nitric Oxide Synthase (NOS)
Solubility : 10 mM in DMSO



Biological Activity

2-Iminobiotin (2-IB, Guanidinobiotin) is a biotin analog with neuroprotective properties, is a selective, reversible inhibitor of neuronal and inducible **nitric oxide synthase (nNOS/iNOS)** with K_i of 21.8 and 37.5 μM for murine iNOS and rat n-cNOS.

References

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- Utkan T, et al. *Pharmacol Biochem Behav*. 2012 Jun;101(4):515-9.
- Peeters-Scholte C, et al. *PLoS One*. 2023 Sep 25;18(9):e0291915.
- Peeters-Scholte C, et al. *Stroke*. 2002 Sep;33(9):2304-10.

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

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