

Product Name	: 2-Iminobiotin hydrobromide
Synonyms	: Guanidinobiotin; 2-IMINOBIOTIN HYDROBROMIDE
Cat No.	: M24773
CAS Number	: 76985-52-9
Molecular Formula	: C ₁₀ H ₁₈ BrN ₃ O ₂ S
Formula Weight	: 324.2
Chemical Name	: —
Description	: 2-Iminobiotin hydrobromide is a cyclic guanidino analog of biotin that acts as a reversible inhibitor of inducible nitric oxide synthase (iNOS) and neuronal NOS (nNOS; K_i of 21.8 and 37.5 μ M for mouse iNOS and rat nNOS, respectively).
Pathway	: Immunology/Inflammation
Target	: NOS
Receptor	: iNOS;nNOS;NOS
Solubility	: DMSO:12.5 mg/mL (51.37 mM)
SMILES	: <chem>[H][C@](CS[C@H]1CCCCC(O)=O)([C@]1([H])N2)NC2=N.Br</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:

1.Zitta K , Peeters-Scholte C , Sommer L , et al. 2-Iminobiotin Superimposed on Hypothermia Protects Human Neuronal Cells from Hypoxia-Induced Cell Damage: An in Vitro Study[J]. Frontiers in Pharmacology, 2018, 8:971.