

## S-(2-aminoethyl) Isothiourea (dihydrobromide)

## Chemical Properties

CAS No. : 56-10-0

Formula: C<sub>3</sub>H<sub>11</sub>Br<sub>2</sub>N<sub>3</sub>S

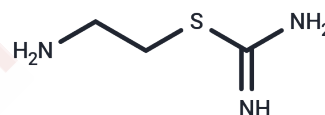
Molecular Weight: 281.02

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

HBr

HBr



## Biological Description

Description	S-(2-aminoethyl) Isothiourea (dihydrobromide) is a non-selective inhibitor of all NOS isoforms. For human nNOS, eNOS, and iNOS, the K <sub>i</sub> values are 1.8, 2.1, and 0.59 μM, respectively
Targets(IC50)	NOS,NO Synthase

## Solubility Information

Solubility	DMSO: 30 mg/mL (106.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5585 mL	17.7923 mL	35.5847 mL
5 mM	0.7117 mL	3.5585 mL	7.1169 mL
10 mM	0.3558 mL	1.7792 mL	3.5585 mL
50 mM	0.0712 mL	0.3558 mL	0.7117 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Garvey E P , Oplinger J A , Tanoury G J , et al. Potent and selective inhibition of human nitric oxide synthases. Inhibition by non-amino acid isothioureas.[J]. Journal of Biological Chemistry, 1994, 269.

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