

Arginase inhibitor 9

Chemical Properties

CAS No. :

Formula: C₁₃H₁₁NO₄S

Molecular Weight: 277.3

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Arginase inhibitor9 (Compound 12a) is a type of arginase enzyme inhibitor with IC ₅₀ values of 9 μM for bovine and 55 μM for human arginase I. It also exhibits antioxidant activity by scavenging free radicals. Moreover, Arginase inhibitor9 effectively regulates collagen and procollagen levels, thereby exerting an anti-fibrotic effect.
Targets(IC ₅₀)	Arginase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6062 mL	18.031 mL	36.062 mL
5 mM	0.7212 mL	3.6062 mL	7.2124 mL
10 mM	0.3606 mL	1.8031 mL	3.6062 mL
50 mM	0.0721 mL	0.3606 mL	0.7212 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481