

## GW274150 dihydrochloride

## Chemical Properties

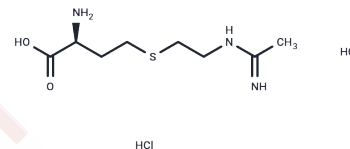
CAS No. : 438542-17-7

Formula: C<sub>8</sub>H<sub>19</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 292.23

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	GW274150 (dihydrochloride) is a potent and selective inhibitor of human and rat inducible nitric oxide synthase (iNOS), exhibiting oral activity and NADPH-dependence with an IC <sub>50</sub> of 2.19 μM and K <sub>d</sub> of 40 nM for human iNOS, and an ED <sub>50</sub> of 1.15 μM for rat iNOS. It demonstrates reduced effectiveness against endothelial NOS (eNOS) and neuronal NOS (nNOS) in both species, and has shown protective effects in acute lung injury inflammation models [1] [2] [3].
Targets(IC <sub>50</sub> )	NO Synthase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.422 mL	17.1098 mL	34.2196 mL
5 mM	0.6844 mL	3.422 mL	6.8439 mL
10 mM	0.3422 mL	1.711 mL	3.422 mL
50 mM	0.0684 mL	0.3422 mL	0.6844 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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