

CI-898 HCl

## Chemical Properties

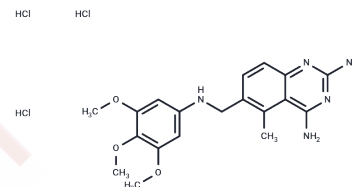
CAS No. : 1658520-97-8

Formula: C<sub>19</sub>H<sub>26</sub>Cl<sub>3</sub>N<sub>5</sub>O<sub>3</sub>

Molecular Weight: 478.8

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	CI-898 HCl is a lipophilic antifolate inhibitor of dihydrofolate reductase (DHFR). It has enhanced binding to DHFR in the presence of the cofactor NADPH. CI-898 HCl inhibits cell growth and halts the cell cycle at the G1/S phase in L1210 mouse lymphocytic leukemia cells and is active against methotrexate-resistant cancer cell lines. It also enhances the activity of doxorubicin, cyclophosphamide, and 6-thioguanine (6-TG) in mice with advanced stage P338 leukemia.
Targets(IC50)	Others,Antifolate,Antibacterial,Antibiotic,Parasite,DHFR,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0886 mL	10.4428 mL	20.8855 mL
5 mM	0.4177 mL	2.0886 mL	4.1771 mL
10 mM	0.2089 mL	1.0443 mL	2.0886 mL
50 mM	0.0418 mL	0.2089 mL	0.4177 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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