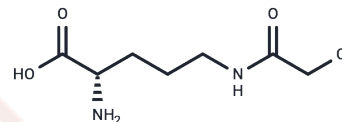


## NCAO

## Chemical Properties

CAS No. :	20584-81-0
Formula:	C7H13ClN2O3
Molecular Weight:	208.64
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	N-w-chloroacetyl-L-ornithine (NCAO) serves as a powerful reversible competitive inhibitor of ornithine decarboxylase (ODC), displaying cytotoxic and antiproliferative properties against various tumor cell lines, with EC50 values spanning from 1 to 50.6 $\mu$ M. In vitro studies reveal that NCAO promotes Apoptosis and restricts tumor cell migration. Additionally, it demonstrates significant antitumor efficacy in a mouse model, targeting both solid and ascitic tumors using the myeloma (Ag8) cell line. NCAO holds promise in the development of antitumor agents.
Targets(IC50)	Apoptosis,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7929 mL	23.9647 mL	47.9294 mL
5 mM	0.9586 mL	4.7929 mL	9.5859 mL
10 mM	0.4793 mL	2.3965 mL	4.7929 mL
50 mM	0.0959 mL	0.4793 mL	0.9586 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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