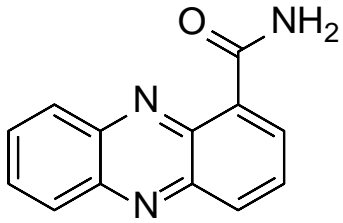


# Product data sheet



MedKoo Cat#: 573978 Name: Oxychlororaphine CAS: 550-89-0 Chemical Formula: C <sub>13</sub> H <sub>9</sub> N <sub>3</sub> O Exact Mass: 223.0746 Molecular Weight: 223.235	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Oxychlororaphine is a phenazine microbial metabolite that has been found in a variety of bacteria and has anticancer, antibacterial, and antifungal activities. It is cytotoxic to A549, HeLa, and SW480 cancer cells. Oxychlororaphine halts the cell cycle at the G1 phase and induces apoptosis in A549 cells. It is active against Streptomyces bacteria and T. mentagrophytes, E. floccosum, C. albicans, M. audouini, and B. dermatitidis fungi.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	10.0	44.80

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	4.48 mL	22.40 mL	44.80 mL
5 mM	0.90 mL	4.48 mL	8.96 mL
10 mM	0.45 mL	2.24 mL	4.48 mL
50 mM	0.09 mL	0.45 mL	0.90 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

Oxychloroaphine has cytotoxicity in a dose-dependent manner and induces apoptosis.

In vitro activity

TBD

In vivo activity

TBD

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*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*