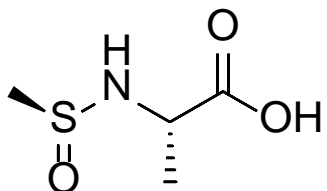


# Product data sheet



MedKoo Cat#: 540293 Name: NSC-226572 CAS: 6853-87-8 Chemical Formula: C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> S Exact Mass: 151.0303 Molecular Weight: 151.18	
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:

NSC-226572, also known as Alanine, 3-(methylsulfinyl)-, L-, pyrolyzate, S-methyl-L-cysteine-S-oxide; S-Methylcysteine sulfoxide, is a synthetic analog of alliin found in cruciferous vegetables including cabbage, turnip, cauliflower, and kale. NSC-226572 is converted through alliinase activity into a volatile thiosulfinate.

## 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
PBS (pH 7.2)	10.0	66.15

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	6.61 mL	33.07 mL	66.15 mL
5 mM	1.32 mL	6.61 mL	13.23 mL
10 mM	0.66 mL	3.31 mL	6.61 mL
50 mM	0.13 mL	0.66 mL	1.32 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:

(2R)-2-Amino-3-(methylsulfinyl)propanoic acid is a cysteine derivative.

In vitro activity

TBD

In vivo activity

TBD

*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.*