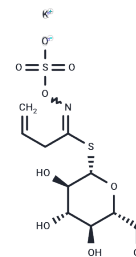


## Sinigrin

## Chemical Properties

CAS No. :	3952-98-5
Formula:	C <sub>10</sub> H <sub>16</sub> KNO <sub>9</sub> S <sub>2</sub>
Molecular Weight:	397.45
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	Sinigrin is the major thioglucoside in Cruciferae with anti-adipogenic properties. It was used as reference material in the isolation and characterization procedure of mustard oleoresins. Sinigrin has potent antioxidant, antitumor, and anti-inflammatory effects.
Targets(IC50)	Apoptosis, Antioxidant, Akt, Antibacterial, CDK, AMPK, Antifungal, Interleukin, mTOR, p38 MAPK, PI3K, PPAR, ROS

## Solubility Information

Solubility	H <sub>2</sub> O: Slightly Soluble, DMSO: 150 mg/mL (377.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.516 mL	12.5802 mL	25.1604 mL
5 mM	0.5032 mL	2.516 mL	5.0321 mL
10 mM	0.2516 mL	1.258 mL	2.516 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481