

Product Data Sheet

Product Name: Allyl thiosulfate

Cat. No.: GC81403

Chemical Properties

Cas. No. 6363-01-5

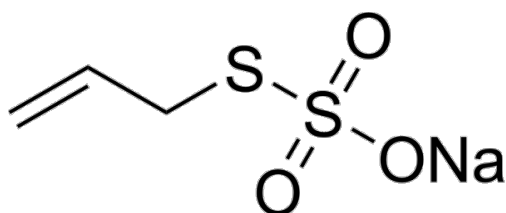
Formula $C_3H_5NaO_3S_2$ M.Wt 176.19

Solubility H_2O : ≥ 100 mg/mL (567.57 mM) Storage Store at $-20^\circ C$

General tips For obtaining a higher solubility, please warm the tube at $37^\circ C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^\circ C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Allyl thiosulfate (Sodium 2-propenyl thiosulfate) is found in Allium plants such as garlic and onion. Allyl thiosulfate can inhibit COX activity and reduce GSH concentration in platelets. Allyl thiosulfate exhibits anti-aggregatory and anti-cancer effects. Allyl thiosulfate can be used for the researches of cancer, inflammation and cardiovascular disease [1].

References:

[1]. Chang HS, et al. Modulatory influence of sodium 2-propenyl thiosulfate from garlic on cyclooxygenase activity in canine platelets: possible mechanism for the anti-aggregatory effect.

Caution: Product has not been fully validated for medical applications. For research use only.

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Prostaglandins Leukot Essent Fatty Acids. 2005 May;72(5):351-5.

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