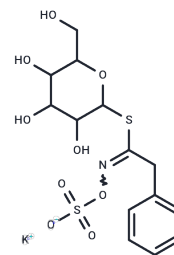


Glucotropaeolin potassium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 5115-71-9 |
| Formula: | C ₁₄ H ₁₈ KNO ₉ S ₂ |
| Molecular Weight: | 447.52 |
| 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 | Glucotropaeolin potassium (Benzylglucosinolate potassium) is found in cruciferous vegetables and moderately decrease spontaneous DNA damage in animals. |
| Targets(IC50) | Others,DNA/RNA Synthesis |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 1 mg/mL (2.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2345 mL | 11.1727 mL | 22.3454 mL |
| 5 mM | 0.4469 mL | 2.2345 mL | 4.4691 mL |
| 10 mM | 0.2235 mL | 1.1173 mL | 2.2345 mL |
| 50 mM | 0.0447 mL | 0.2235 mL | 0.4469 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.

Reference

Kassie F, et al. Intestinal microflora plays a crucial role in the genotoxicity of the cooked food mutagen 2-amino-3-methylimidazo [4,5-f]quinoline. Carcinogenesis. 2001 Oct;22(10):1721-5.

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