

Product Data Sheet

Product Name: Benzyl isothiocyanate

Cat. No.: GC38683

Chemical Properties

Cas. No. 622-78-6

SMILES S=C=NCC1=CC=CC=C1

Formula C8H7NS

M.Wt 149.21

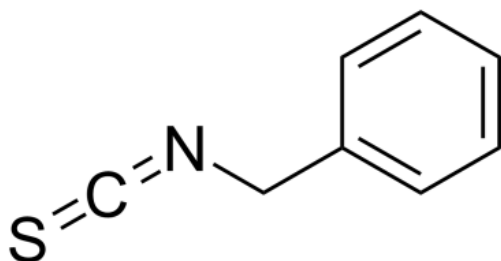
Solubility DMSO : 29mg/mL

Storage Store at -20°C, stored under nitrogen

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

Benzyl isothiocyanate is a member of natural isothiocyanates with antimicrobial activity[1][2]. Benzyl isothiocyanate potent inhibits cell mobility, migration and invasion nature and matrix metalloproteinase-2 (MMP-2) activity of murine melanoma cells[2].

[1]. Abdel-Kader MS, et al. Quantitative Analysis of Benzyl Isothiocyanate in *Salvadora persica*

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

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Extract and Dental Care Herbal Formulations Using Reversed Phase C18 High-Performance Liquid Chromatography Method. Pharmacogn Mag. 2017 Oct;13(Suppl 3):S412-S416. [2]. Lai KC, et al. Benzyl isothiocyanate and phenethyl isothiocyanate inhibit murine melanoma B16F10 cell migration and invasion in vitro. Int J Oncol. 2017 Sep;51(3):832-840.

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