

Product Data Sheet

Product Name: Sulfamethoxazole-NO

Cat. No.: GC74708

Chemical Properties

Cas. No. 29699-89-6

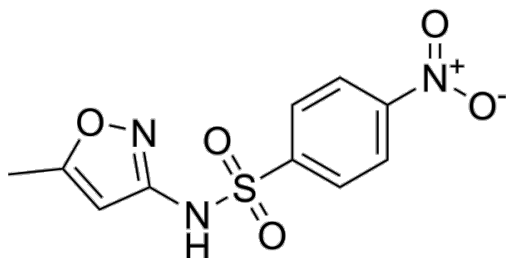
Formula $C_{10}H_9N_3O_5S$ M.Wt 283.26

Solubility DMSO : ≥ 100 mg/mL (353.03 mM) Storage 4°C, protect from light

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

Sulfamethoxazole-NO (SMX-NO) is the major immunogen in sulfonamide allergy, producing modest ascorbic acid depletion and hemoglobin adduct formation. Sulfamethoxazole-NO haptens tissue proteins and is immunogenic in rodents.

References:

[1]. Lavergne S N, et al. Evaluation of the clinical, immunologic, and biochemical effects of nitroso sulfamethoxazole administration to dogs: a pilot study[J]. Toxicology, 2005, 208(1): 63-72.

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

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