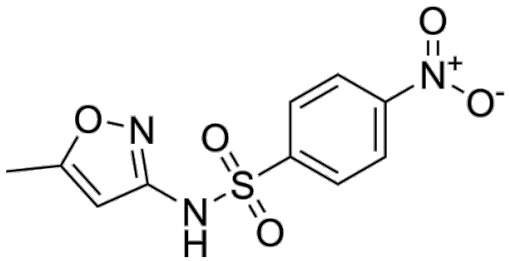
Product Data Sheet

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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