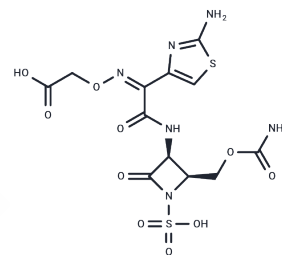


Carumonam

Chemical Properties

CAS No. :	87638-04-8
Formula:	C ₁₂ H ₁₄ N ₆ O ₁₀ S ₂
Molecular Weight:	466.40
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	Carumonam, an antibiotic, could enhance the reactivity of Escherichia coli with mono- and polyclonal antisera to rough Escherichia coli J5.
Targets(IC50)	Others,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1441 mL	10.7204 mL	21.4408 mL
5 mM	0.4288 mL	2.1441 mL	4.2882 mL
10 mM	0.2144 mL	1.072 mL	2.1441 mL
50 mM	0.0429 mL	0.2144 mL	0.4288 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

Overbeek BP, Schellekens JF, Lippe W, Dekker BA, Verhoef J. Carumonam enhances reactivity of Escherichia coli with mono- and polyclonal antisera to rough Escherichia coli J5. J Clin Microbiol. 1987 Jun;25(6):1009-13. PubMed PMID: 2439534; PubMed Central PMCID: PMC269125.

Hirasawa M, Takada K. Susceptibility of Streptococcus mutans and Streptococcus sobrinus to cell wall inhibitors and development of a novel selective medium for S. sobrinus. Caries Res. 2002 May-Jun;36(3):155-60. PubMed PMID: 12065966.

Uri JV, Jain TC. Colorimetric detection and spectrophotometric determination of the aminothiazolyl-alkoxyimino beta-lactams. J Antibiot (Tokyo). 1986 May;39(5):669-75. PubMed PMID: 3733516.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481