



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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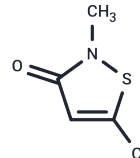
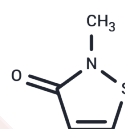
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Methylchloroisothiazolinone/Methylisothiazolinone Mixture

Chemical Properties

CAS No. :	55965-84-9
Formula:	C ₈ H ₉ ClN ₂ O ₂ S ₂
Molecular Weight:	264.75
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Methylchloroisothiazolinone/methylisothiazolinone mixture (MCIT/MIT) is a mixture of isothiazolinone-derived biocides. ^{1,2} It is effective against Gram-positive and Gram-negative bacteria with MIC values of 0.0002, 0.0002, 0.00005, and 0.00005% (w/w) for <i>S. aureus</i> , <i>P. aeruginosa</i> , <i>A. niger</i> , and <i>C. albicans</i> , respectively. ² MCIT/MIT can elicit contact sensitization. ³ Formulations containing MCIT/MIT have been used for controlling microbial growth in industrial and household products.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7771 mL	18.8857 mL	37.7715 mL
5 mM	0.7554 mL	3.7771 mL	7.5543 mL
10 mM	0.3777 mL	1.8886 mL	3.7771 mL
50 mM	0.0755 mL	0.3777 mL	0.7554 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.

Reference

Frenzel, E., Schmidt, S., Niederweis, M., et al. Importance of porins for biocide efficacy against *Mycobacterium smegmatis* Applied and Environmental Microbiology 77(9)3068-3073(2011)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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