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# N-Acetyl-L-cysteine, 98%

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ORGANICS[MSDS](#) [Specifications](#) [Categories](#) [3D model](#) [Infrared](#) [Molfile](#)

General	
Product Name	N-Acetyl-L-cysteine L-alpha-Acetamido-beta-mercaptopropionic acid Mercapturic acid
CAS RN	616-91-1
ACD Code	MFCD00004880
Structure	
Molecular Formula	C5 H9 N O3 S
Molecular weight	163.19
Pack size	{ Error }
Physical	
Melting Point (°C)	109 - 111
Alpha	5.5 ( )
Safety	
Safety	24/25: Avoid contact with skin and eyes.
Categories	
	Biochemicals and Reagents > Enzymes, Inhibitors, and Substrates > Cell Signaling Enzymes > Nitric Oxide Metabolism > Nitric Oxide Scavengers Biochemicals and Reagents > Cell Signaling and Neuroscience > Nitric Oxide and Cell Stress > Nitric Oxide Metabolism > Nitric Oxide Scavengers Biochemicals and Reagents > Cell Culture > Reagents and Supplements > Amino Acids and Vitamins > Amino Acids Biochemicals and Reagents > Reagents and Supplements > Amino Acids and Vitamins > Amino Acids Biochemicals and Reagents > Nutrition Research > Biochemicals Found in Plants > Amino acids Biochemicals and Reagents > Cell Culture > Amino Acids and Vitamins > Amino Acids Biochemicals and Reagents > Biochemicals Found in Plants > Amino acids Biochemicals and Reagents > Amino Acids and Vitamins > Amino Acids Biochemicals and Reagents > Amino Acids
Other	
Infrared	<a href="#">Show</a>
Parameter	EINECS 210-498-3 Solubility Solubility in water: SOLUBLE IN WATER Origin synthetic References: Mucolytic agent. Brit. Med. J., 11, 603 (1966), Am. J. Clin.Nutr., 21, 715 (1968). Kinetics of local and systemic immune responses to an oral cholera vaccine given alone or together with acetylcysteine. Kilhamn, J. et al. Clin. Diagn. Lab. Immunol., 5(2), 247-250, 1998. Comparison of the stability and UV and fluorescence characteristics of the o-phthalaldehyde/3-mercaptopropionic acid and o-phthalaldehyde/N-acetyl-L-cysteine reagents and those of their amino acid derivatives. Molnar-Perl, Ibolya; Bozor, Imre. J. Chromatogr., A, 798(1 + 2), 37-46, 1998. Hydrogen peroxide-induced epithelial injury: the protective role of intracellular nonprotein thiols (NPSH). Mulier, B. et al. Eur. Respir. J., 11(2), 384-391, 1998. Reference: 15,83 Merck
3D model	<a href="#">Show</a>