

PRODUCT INFORMATION

N-acetyl-S-(trichlorovinyl)-L-Cysteine

Item No. 35086

CAS Registry No.: 111348-61-9

Formal Name: N-acetyl-S-(1,2,2-trichloroethyl)-L-cysteine

MF: C₇H₈Cl₃NO₃S

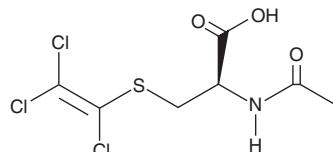
FW: 292.6

Purity: ≥90%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

N-acetyl-S-(trichlorovinyl)-L-Cysteine is supplied as a solid. A stock solution may be made by dissolving the N-acetyl-S-(trichlorovinyl)-L-cysteine in the solvent of choice, which should be purged with an inert gas. N-acetyl-S-(trichlorovinyl)-L-Cysteine is soluble in chloroform.

Description

N-acetyl-S-(trichlorovinyl)-L-Cysteine is a metabolite of the volatile organic compound (VOC) and environmental contaminant tetrachloroethylene (perchloroethylene; PERC).^{1,2}

References

1. Luo, Y.-S., Cichocki, J.A., McDonald, T.J., et al. Simultaneous detection of the tetrachloroethylene metabolites S-(1,2,2-trichlorovinyl) glutathione, S-(1,2,2-trichlorovinyl)-L-cysteine, and N-acetyl-S-(1,2,2-trichlorovinyl)-L-cysteine in multiple mouse tissues via ultra-high performance liquid chromatography electrospray ionization tandem mass spectrometry. *J. Toxicol. Environ. Health A* **80**(9), 513-524 (2017).
2. Birner, G., Rutkowska, A., and Dekant, W. N-acetyl-S-(1,2,2-trichlorovinyl)-L-cysteine and 2,2,2-trichloroethanol: Two novel metabolites of tetrachloroethylene in humans after occupational exposure. *Drug Metab. Dispos.* **24**(1), 41-48 (1996).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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