

[Open Peer Review on Qeios](#)

Acetaminophen-Cysteine Protein Adduct

National Cancer Institute

Source

National Cancer Institute. *Acetaminophen-Cysteine Protein Adduct*. NCI Thesaurus. Code C157112.

A modified protein, usually glutathione, where oxidized acetaminophen is bound to the sulfhydryl group of cysteine residues. The presence of acetaminophen-cysteine or its proteolyzed product 3-para cysteinyl acetaminophen in a sample is a specific biomarker for acetaminophen exposure and increased concentrations of these adducts may be associated with acetaminophen toxicity.