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(54) Title: N-ACETYLCYSTEINE COMPOSITIONS AND METHODS FOR THE TREATMENT AND PREVENTION OF DRUG TOXICITY

(57) Abstract: The invention provides pharmaceutical compositions for the treatment or prevention of the toxic effects of therapeutic agents and methods of treating or preventing such toxicity using a toxicity reducing amount of N-acetylcysteine either alone or in combination with a therapeutically effective amount or, to achieve its therapeutic advantages, an amount larger than what is customarily given as a therapeutically effective amount, of a therapeutic agent. The invention also provides pharmaceutical compositions for the treatment or prevention of the toxic effects of therapeutic agents and methods of treating or preventing such toxicity using a toxicity reducing amount of N-acetylcysteine either alone or in combination with a therapeutically effective amount or, to achieve its therapeutic advantages, an amount larger than what is customarily given as a therapeutically effective amount, of a therapeutic agent whose side effects are made worse by increased oxidative stress or treatment related decreases in subject cysteine/glutathione levels or are otherwise relieved by administration of NAC.