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Liposome-encapsulated Recombinant Human Cu/Zn Superoxide-dismutase

National Cancer Institute

Source

National Cancer Institute. *Liposome-encapsulated Recombinant Human Cu/Zn Superoxide-dismutase*. NCI Thesaurus. Code C99764.

A topical hydrophilic gel containing a recombinant form of the human Cu/Zn superoxide dismutase (SOD1), a cytoplasmic antioxidant enzyme, encapsulated in liposomes with potential anti-inflammatory and adjuvant activities. Upon application of liposome-encapsulated recombinant human Cu/Zn SOD as a thin film on the irradiated area, the recombinant SOD1 is released and scavenges free oxygen radicals, thereby protecting cells from oxidative stress. This may prevent radiation-induced dermatitis as well as other types of skin reactions.