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(54) **Title**: COMPOSITIONS AND METHODS TO PREVENT CANCER WITH CUPREDOXINS

(57) **Abstract**: The present invention discloses methods and materials for killing and/or inhibiting the growth of a cancer cell via preferential entry of a cytotoxic compound. Preferential entry of the cytotoxic compound is accomplished by the use of protein transduction domains derived from cupredoxins, including the p18 and p28 truncations of azurin.