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Box III Text of the abstract

The present invention provides peptides and peptide analogs that have tissue protective activities while having little or no potentially undesirable hematopoietic effects. In a particular embodiment, peptide comprises an amino acid sequence of WEHVNAIQEARRLL (SEQ ID NO: 114), wherein the isolated peptide is not more than 29 amino acids in length. The peptides and peptide analogs are useful in preventing and treating a variety of diseases and disorders associated with tissue damage, namely cancer or a neoplastic disorder.