

Title (en)

METHOD FOR PR-39 PEPTIDE MEDIATED SELECTIVE INHIBITION OF IKAPPABALPHA DEGRADATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON DURCH PR-39 PEPTID VERMITTELTE SELEKTIVER HEMMUNG VON IKAPPABALPHA ABBAU

Title (fr)

PROCEDE D'INHIBITION SELECTIVE DE LA DEGRADATION DE LA PROTEINE IKAPPABALPHA INDUITE PAR LE PEPTIDE PR-39

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Application

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Abstract (en)

[origin: WO0147540A1] The present invention provides both a method and means for regulating I kappa B alpha degradation, NF kappa B activity, and NF kappa B-dependent gene expression within living cells, tissues, and organs in-situ. The selective regulation is performed using native PR-39 peptide or one of its shorter-length homologs, for interaction with such I kappa B alpha and proteasomes as are present in the cytoplasm of viable cells. The result of PR-39 peptide interaction with I kappa B alpha is a selective alteration in the intracellular proteolytic activity of proteasomes, which in turn, causes a reduction of I kappa B alpha , a decrease of NF kappa B activity, and a down-regulation of NF kappa B-dependent gene expression.

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