Helical beta-Peptide Inhibitors of the p53-hDM2 Interaction

OCR Number: OCR 1709

Description:

Beta-peptide regions of polypeptides can serve as structural mimics of \( \alpha \)-helices in wild type proteins. Because \( \alpha \)-helices of one protein often bind to a target protein in a biological pathway, a polypeptide that contains a helical \( \beta \)-peptide region can be used to disrupt this type of protein-protein binding. As a result, polypeptides that contain a helical \( \beta \)-peptide region can be used to treat conditions involving this type of protein-protein binding, such as viral infections and cell proliferation.

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