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(57) Abstract :

ABSTRACT A novel bioactive peptide targeting PPAR $\gamma$  modulation The present invention relates to multitherapeutic peptide drug that targets relative metabolic disorders like obesity and oxidative stress while treating diabetes mellitus. The bioactive peptide DKVLVFFK derived from cow colostrum casein acts as a partial agonist of PPAR, where the bioactive peptide has high binding efficiency with GLU319, GLN301, GLN371 and LYS303 that has anti-hyperlipidemic, anti-hyperglycemic and anti-oxidant effects.

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