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(57) Abstract :

a-Amylase Inhibitor Composition (AIC) of Thiazolidinone Derivative of Spiropyrrolidine and Triazole having Methoxy- and Nitro-Substitutions. The present invention relates to a novel a-amylase inhibitor composition (AIC) comprising: a thiazolidinone derivative of spiropyrrolidine and triazole, wherein the composition is characterized by essentially comprising a combination of: (a) thiazolidinone moiety; (b) spiropyrrolidine moiety; and (c) triazole moiety; and wherein the thiazolidinone derivative of spiropyrrolidine and triazole has a structural Formula-I, wherein a methoxy - (-OCH₃) group substitution is in para- position at position 13; and a nitro- (NO₂) group substitution is in para- position at position 34: Formula-I In one embodiment, the present invention relates to a pharmaceutical composition comprising the a-amylase inhibitor composition (AIC) of the present invention as a main active ingredient of the pharmaceutical composition and optionally a pharmaceutically acceptable excipient.

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