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(54) Title of the invention : AN A-AMYLASE AND A-GLUCOSIDASE INHIBITING COMPOUND FOR MANAGEMENT OF DIABETES

<p>(51) International classification :G01N0030020000, A61K0031425000, A61K0031535000, A23K0020111000, C07D0263320000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p><b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Chitkara Innovation Incubator Foundation</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)SINGH, Manjinder</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- --</p> <p><b>2)SINGH, Varinder</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- --</p> <p><b>3)SINGH, Thakur Gurjeet</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- --</p> <p><b>4)ARORA, Sandeep</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- --</p> <p><b>5)KAUR, Maninder</b> Address of Applicant :Department of Pharmaceutical Sciences &amp; Drug Research, Punjabi University, Patiala - 147002, Punjab, India. Patiala -----</p>
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(57) Abstract :

The present disclosure relates generally to the field of anti-diabetic compounds. More specifically, the disclosure is directed to an a-amylase and a-glucosidase inhibiting compound of Formula I, its solvate, its stereoisomer or a pharmaceutically acceptable salt thereof for management of diabetes. The present disclosure also provides a process of preparing a compound of Formula I. The compound apart from being able to inhibit the enzymes a-amylase and a-glucosidase for management of postprandial hyperglycemia, are also effective in reducing oxidative stress, aldose reductase and AGEs

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