

Title (en)

NOVEL PHEROMONAL RECEPTOR OF SPODOPTERA LITTORALIS (LEPIDOPTERA, NOCTUIDAE) AND IDENTIFICATION OF NATURAL LIGAND OF SAID RECEPTOR AND USES THEREOF

Title (de)

NEUER PHEROMONREZEPTOR AUS SPODOPTERA LITTORALIS (LEPIDOPTERA, NOCTUIDAE) UND IDENTIFIZIERUNG EINES NATÜRLICHEN LIGANDEN DES BESAGTEN REZEPTORS SOWIE SEINE VERWENDUNG

Title (fr)

NOUVEAU RÉCEPTEUR AUX PHÉROMONES DE SPODOPTERA LITTORALIS (LÉPIDOPTÈRE, NOCTUIDAE), IDENTIFICATION D'UN LIGAND NATUREL DUDIT RÉCEPTEUR ET UTILISATIONS ASSOCIÉES

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Abstract (en)

[origin: WO2013034666A2] The invention relates to the identification of Z9,E12-14:Ac as a natural ligand of the new olfactory/pheromonal receptor SlitOR6, a G-protein coupled-like receptor (GPCR-like). The invention encompasses the use of the interaction of SlitOR6 polypeptides and Z9,E12-14:Ac as the basis of screening assays for agents that modulate the activity of the SlitOR6 receptor. The invention also encompasses diagnostic and other assays performed based upon the SlitOR6/Z9,E12-14:Ac interaction, as well as kits for performing diagnostic and screening assays.

IPC 8 full level

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