



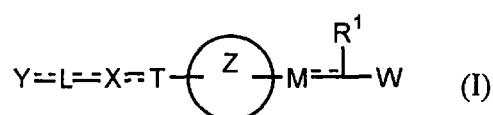
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Abstract



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The present invention provides a novel carboxylic acid compound, a salt thereof or a hydrate of them useful as an insulin sensitizer, and a medicament comprising the compound as an active ingredient. That is, the present invention provides a carboxylic acid compound represented by the following formula, a salt thereof, an ester thereof or a hydrate of them.



Wherein R¹ represents a hydrogen atom, hydroxyl group, halogen, carboxyl group, or a C₁₋₆ alkyl group etc., each of which may have one or more substituents; L represents a single bond, or a C₁₋₆ alkylene group, a C₂₋₆ alkenylene group or a C₂₋₆ alkynylene group, each of which may have one or more substituents; M represents a single bond, or a C₁₋₆ alkylene group, a C₂₋₆ alkenylene group or a C₂₋₆ alkynylene group, each of which may have one or more substituents; T represents a single bond, or a C₁₋₃ alkylene group, a C₂₋₃ alkenylene group or a C₂₋₃ alkynylene group, each of which may have one or more substituents; W represents a carboxyl group;

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represents a single bond etc.; X represents a single bond, oxygen atom, a group represented by -NR^{X1}CQ¹O- (wherein Q¹ represents an oxygen atom or sulfur atom; and R^{X1} represents a hydrogen atom, formyl group, or a C₁₋₆ alkyl group etc., each of which

may have one or more substituents), $-\text{OCQ}^1\text{NR}^{x1}-$ (wherein Q^1 and R^{x1} are as defined above), $-\text{CQ}^1\text{NR}^{x1}\text{O}-$ (wherein Q^1 and R^{x1} are as defined above), $\text{ONR}^{x1}\text{CQ}^1-$ (wherein Q^1 and R^{x1} are as defined above), $-\text{Q}^2\text{SO}_2-$ (wherein Q^2 is an oxygen atom or $-\text{NR}^{x10}-$ (wherein R^{x10} represents a hydrogen atom, formyl group, or a C_{1-6} alkyl group etc., each of which may have one or more substituents)) or $-\text{SO}_2\text{Q}^2-$ (wherein Q^2 is as defined above),
 (wherein, provided that R^{x2} and R^{x3} , and/or R^{x4} and R^{x5} may together form a ring, Q^3 and Q^4 are the same as or different from each other and each represents an oxygen atom, $(\text{O})\text{S}(\text{O})$ or NR^{x10} (wherein NR^{x10} is as defined above)); Y represents a 5- to 14-membered aromatic group etc., which may have one or more substituents and one or more hetero atoms; and the ring Z represents a 5- to 14-membered aromatic group which may have 0 to 4 substituents and one or more hetero atoms, and wherein part of the ring may be saturated.