Title (en)

THIAZOLE BENZENESULFONAMIDES AS $g(b) 3? AGONISTS FOR THE TREATMENT OF DIABETES AND OBESITY

Title (de)

THIAZOLE BENZENESULFONAMIDE ALS BETA3-AGONISTEN ZUR BEHANDLUNG VON DIABETES UND FETTLEIBIGKEIT

Title (fr)

THIAZOLE BENZENESULFONAMIDES UTILISES COMME AGONISTES $g(b) 3? POUR LE TRAITEMENT DU DIABETE ET DE L'OBESITE

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Abstract (en)

[origin: WO9832753A1] Thiazole substituted benzenesulfonamides are beta 3 adrenergic receptor agonists with very litte beta 1 and beta 2 adrenergic receptor activity and as such the compounds are capable of increasing lipolysis and energy expenditure in cells. The compounds thus have potent activity in the treatment of Type II diabetes and obesity. The compounds can also be used to lower triglyceride levels and cholesterol levels or raise high density lipoprotein levels or to decrease gut motility. In addition, the compounds can be used to reduce neurogenic inflammation or as antidepressant agents. The compounds are prepared by coupling an aminoalkylphenyl-sulfonamide with an appropriately substituted epoxide. Compositions and methods for the use of the compounds in the treatment of diabetes and obesity and for lowering triglyceride levels and cholesterol levels or raising high density lipoprotein levels or for decreasing gut motility are also disclosed.

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