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ΑN
      2004:256580 BIOSIS
DN
      PREV200400256670
ΤI
      Carbazates as potent inhibitors of hormone-sensitive lipase.
ΑU
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SO
      Bioorganic & Medicinal Chemistry Letters, (5 April 2004) Vol. 14, No. 7, pp. 1741-1744. print. CODEN: BMCLE8. ISSN: 0960-894X.
      Article
LA
      English
FD
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AB
      The central role of adipose tissue hormone-sensitive lipase in
      The central role of adipose tissue normone-sensitive lipase in regulating fatty acid metabolism makes it a potential pharmacological target for the prevention of peripheral insulin resistance in obese, prediabetic and diabetic individuals. The synthesis of a new series of carbazates is presented. Modification of the phenolic 4-position in a series of 1,2,3,4-tetrahydroisoguinoline and morpholine derived
      carbazates, yielded inhibitors of the catalytic activity of this enzyme with nanomolar potency.
CC
      Biochemistry studies - General 10060
Biochemistry studies - Lipids 10066
      DIOCHEMISTRY Studies - Lipids 1006
Enzymes - General and comparative studies: coenzymes 10802
Pathology - Therapy 12512
Metabolism - General metabolism and metabolic pathways 13002
Metabolism - Metabolic disorders 13020
Endocrine - Pancreas 17008
Pharmacology - General 22002
      Major Concepts
           Enzymology (Biochemistry and Molecular Biophysics); Pharmacology
IT
      Parts, Structures, & Systems of Organisms
           adipose tissue
IT
      Diseases
           diabetes: endocrine disease/pancreas, metabolic disease, drug therapy Diabetes Mellitus (MeSH)
IT
           obesity: nutritional disease
Obesity (MeSH)
IT
      Chemicals & Biochemicals 1,2,3,4-tetrahydroisoquinoline; carbazates: enzyme inhibitor-drug;
           fatty acid: metabolism; hormone-sensitive lipase: inhibition; morphine
IT
      Miscellaneous Descriptors peripheral insulin resistance
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RN

91-21-4 (1,2,3,4-tetrahydroisoquinoline) 9001-62-1 (hormone-sensitive lipase) 57-27-2 (morphine)