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2004:316145 BIOSIS

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PREV200400316750

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In vitro SAR of (5-(2H)-isoxazolonyl) ureas, potent inhibitors of hormone-sensitive lipase.

AU

Lowe, Derek B. [Reprint Author]; Magnuson, Steven; Qi, Ning; Campbell, Ann-Marie; Cook, James; Hong, Zhenqiu; Wang, Ming; Rodriguez, Mareli; Achebe, Furahi; Kluender, Harold; Wong, Wai C.; Bullock, William H.; Salhanick, Arthur I.; Witman-Jones, Terri; Bowling, Mary E.; Keiper, Christine; Clairmont, Kevin B.

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Bioorganic & Medicinal Chemistry Letters, (June 21 2004) Vol. 14, No. 12, pp. 3155-3159. print.
CODEN: BMCLE8. ISSN: 0960-894X.

DT

Article

LA

English

ED

Entered STN: 15 Jul 2004
Last Updated on STN: 15 Jul 2004

AB

A series of (5-(2H)-isoxazolonyl) ureas were developed as nanomolar inhibitors of hormone-sensitive lipase, an enzyme of potential importance in the treatment of diabetes. Copyright 2004 Elsevier Ltd. All rights reserved.

CC

Pathology - Therapy 12512
Metabolism - Metabolic disorders 13020
Endocrine - Pancreas 17008
Pharmacology - General 22002

IT

Major Concepts
Pharmacology

IT

Diseases
diabetes: endocrine disease/pancreas, metabolic disease
Diabetes Mellitus (MeSH)

IT

Chemicals & Biochemicals
(5-(2H)-isoxazolonyl) ureas: hormone-sensitive lipase inhibitors, in vitro structure-activity relationships; hormone-sensitive lipase

IT

Miscellaneous Descriptors
lipolysis

RN

9001-62-1 (hormone-sensitive lipase)