

Title (en)
THERAPEUTIC COMPOUNDS

Title (de)
THERAPEUTISCHE VERBINDUNGEN

Title (fr)
COMPOSÉS THÉRAPEUTIQUES

Publication
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Application
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Abstract (en)
[origin: WO2007127173A2] The invention provides compounds of formula I: wherein A, B, D, E, R₁, R₂, R₃ SUB>, R₄, R₅, X, and ----- have any values defined herein, as well as salts thereof. The compounds have activity as G-quadruplex DNA stabilizers and as anti-proliferative agents.

IPC 8 full level
C07D 498/22 (2006.01); **A61K 31/424** (2006.01); **A61P 35/00** (2006.01); **C07D 513/22** (2006.01); **C07D 515/22** (2006.01)

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Citation (search report)
• [X] EP 1602659 A1 20051207 - SOSEI CO LTD [JP]
• [X] S.K. CHATTOPADHYAY ET AL: "Efficient Construction of a Doubly Functionalized Trisoxazole Derivative Relevant to the Synthesis of the Novel Telomerase Inhibitor Telomestatin and its Analogues", SYNTHESIS, no. 8, April 2006 (2006-04-01), pages 1289 - 1294, XP002659448
• [X] A.J. LUCKE ET AL: "Designing supramolecular structures from models of cyclic peptide scaffolds with heterocyclic constraints", JOURNAL OF MOLECULAR GRAPHICS AND MODELLING, no. 21, 2003, pages 341 - 355, XP002659449
• [X] A.BERTRAM ET AL, TETRAHEDRON, vol. 59, no. 35, 25 August 2003 (2003-08-25), pages 6979 - 6990, XP004448505, ISSN: 0040-4020, DOI: 10.1016/S0040-4020(03)00821-4
• [X] Y. SINGH ET AL: "Novel Cylindrical, Conical, and Macrocyclic Peptides from the Cyclooligomerization of Functionalized Thiazole Amino Acids", J. AM. CHEM. SOC., vol. 123, no. 2, 2001, pages 333 - 334, XP002659450 & Y. SINGH ET AL: "Supporting information: Novel Cylindrical, Conical, and Macrocyclic Peptides from the Cyclooligomerization of Functionalized Thiazole Amino Acids", J. AM. CHEM. SOC., vol. 123, no. 2, 2001, pages 1 - 13, XP002660487
• [XP] G.S. MINHAS ET AL: "Synthesis and G-quadruplex stabilizing properties of a series of oxazole-containing macrocycles", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol. 16, no. 15, 1 August 2006 (2006-08-01), pages 3891 - 3895, XP025107094, ISSN: 0960-894X, [retrieved on 20060801], DOI: 10.1016/J.BMCL.2006.05.038
• [XP] DATABASE CAPLUS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002659478, retrieved from STN Database accession no. 2006:1228832 & JP 2006316008 A 20061124 - SOOSEI KK, et al
• [XP] T. DOI ET AL: "Total synthesis of (R)- Telomestatin", ORGANIC LETTERS, vol. 8, no. 18, 2006, pages 4165 - 4167, XP002659451
• See references of WO 2007127173A2

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DOCDB simple family (publication)
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