

Title (en)
IMPROVEMENTS TO ANALOGOUS COMPOUNDS OF 6-THIOGUANOSINE TRIPHOSPHATE, THEIR USE IN MEDICAL FIELDS AND PROCESSES FOR THEIR PREPARATION

Title (de)
VERBESSERUNGEN BEI 6-THIOGUANOSINTRIPHOSPHAT-ANALOGA, DEREN VERWENDUNG AUF DEM MEDIZINISCHEN GEBIET UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
AMELIORATIONS APPORTEES A DES COMPOSES ANALOGUES DE 6-THIOGUANOSINE TRIPHOSPHATE, LEUR UTILISATION DANS LES CHAMPS MEDICAUX ET PROCEDES DESTINES A LEUR PREPARATION

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Application
EP 06766084 A 20060724

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Abstract (en)
[origin: WO2007010515A1] The invention relates to analogous compounds of 6-thioguanosine triphosphate of general formula (I). A compound of the general formula (I); wherein the dashed bond in the sugar moiety can be either single or double and wherein R1 , R2, R3, R4 or R5, equal or different between each other, have general formula -(Int)

IPC 8 full level
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See references of WO 2007010515A1

Citation (examination)

- J. MASSON GULLAND ET AL: "125. Constitution of the purine nucleosides. Part VII. Guanosine and guanine deoxyriboside", JOURNAL OF THE CHEMICAL SOCIETY (RESUMED), 1 January 1938 (1938-01-01), pages 692, XP055031853, ISSN: 0368-1769, DOI: 10.1039/jr9380000692
- UGO TRAVERSA ET AL: "Rat brain guanosine binding site", BIOORGANIC & MEDICINAL CHEMISTRY, vol. 11, no. 24, 1 December 2003 (2003-12-01), pages 5417 - 5425, XP055031787, ISSN: 0968-0896, DOI: 10.1016/j.bmc.2003.09.043
- JOHN F. GERSTER ET AL: "Purine Nucleosides. X. The Synthesis of Certain Naturally Occurring 2-Substituted Amino-9-[beta]-D-ribofuranosylpurin-6(1H)-ones (N2-Substituted Guanosines)", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 87, no. 16, 20 August 1965 (1965-08-20), pages 3752 - 3759, XP055031791, ISSN: 0002-7863, DOI: 10.1021/ja01094a037
- S. A. NARANG ET AL: "Studies on Polynucleotides. XLVI.1 The Synthesis of Hexanucleotides Containing the Repeating Trinucleotide Sequences Deoxycytidylyl-(3'->5')-deoxyadenylyl-(3'->5')-deoxyadenosine and Deoxyguanylyl-(3'->5')-deoxyadenylyl-(3'->5')- deoxyadenosine", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 87, no. 13, 5 July 1965 (1965-07-05), pages 2988 - 2995, XP055031792, ISSN: 0002-7863, DOI: 10.1021/ja01091a031
- HIROKAZU MORISAWA ET AL: "A NEW METHOD FOR THE SYNTHESIS OF SOME 9-B-;-ARABINOFURANOSYLPURINES BY A COMBINATION OF CHEMICAL AND ENZYMATIC REACTIONS", TETRAHEDRON LETTERS, 1 January 1980 (1980-01-01), pages 479 - 482, XP055031796, Retrieved from the Internet <URL:http://ac.els-cdn.com/S0040403900714389/1-s2.0-S0040403900714389-main.pdf?_tid=825ab7887cf7e2eed1e5cbe973b144d1&acdnat=1341404645_7591a5fad96f44c98360afc1eccc8bbb> [retrieved on 20120704]
- KARLHEINZ WÖRNER ET AL: "Synthesis and stability of GNRA-loop analogs", HELVETICA CHIMICA ACTA, 1 January 1999 (1999-01-01), pages 2094 - 2104, XP055031844

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Designated extension state (EPC)
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