

Title (en)
TETRAPARTATE PRODRUGS

Title (de)
TETRAPARTAT-PRODRUGS

Title (fr)
PROMEDICAMENTS TETRAPARTATES

Publication
EP 1343494 A4 20050803 (EN)

Application
EP 01987164 A 20011130

Priority
• US 0145127 W 20011130
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Abstract (en)
[origin: WO0243663A2] A compound of Formula I, providing a tetrapartate prodrugs is provided, wherein L1 is a bifunctional linking moiety; D is a moiety that is a leaving group, or a residue of a compound to be delivered into a cell; Z is covalently linked to [D]y, wherein Z is selected from the group consisting of: a moiety that is actively transported into a target cell, a hydrophobic moiety, and combinations thereof; Y1, Y2, Y3 and Y4 are each independently O, S, or NR12; R11 is a mono- or divalent polymer residue; R1, R4, R9, R10 and R12 are independently selected from the group consisting of hydrogen, C1-6 alkyls, C3-12 branched alkyls, C3-8 cycloalkyls, C1-6 substituted alkyls, C3-8 substituted cycloalkyls, aryls, substituted aryls, aralkyls, C1-6 heteroalkyls and substituted C1-6 heteroalkyls; R2, R3, R5 and R6 are independently selected from the group consisting of hydrogen, C1-6 alkyls, C1-6 alkoxy, phenoxy, C1-8 heteroalkyls, C1-8 heteroalkoxy, substituted C1-6 alkyls, C3-8 cycloalkyls, C3-8 substituted cycloalkyls, aryls, substituted aryls, aralkyls, halo-, nitro- and cyano-, carboxy-, C1-6 carboxyalkyls and C1-6 alkylcarbonyls; Ar is a moiety which when included in Formula (I) forms a multi-substituted aromatic hydrocarbon or a multi-substituted heterocyclic group; (m), (r), (s), (t), and (u) are independently zero or one; (p) is zero or a positive integer; and (y) is 1 or 2; together with methods of preparing and using these new tetrapartate prodrugs.

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• No further relevant documents disclosed
• See references of WO 0243663A2

Citation (examination)
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