

Title (en)

CONJUGATES TARGETED TO THE INTERLEUKIN-2 RECEPTOR

Title (de)

KONJUGATE, DIE AUF DEN INTERLEUKIN-2 REZEPTOR ZIELGERICHTET SIND

Title (fr)

CONJUGUES CIBLES APPORTES AU RECEPTEUR DE L'INTERLEUKINE-2

Publication

**EP 1011705 A4 20000920 (EN)**

Application

**EP 98939226 A 19980805**

Priority

- US 9816290 W 19980805
- US 91404297 A 19970805

Abstract (en)

[origin: WO9907324A2] A composition for intracellular delivery of a chemical agent into an interleukin-2-receptor-bearing cell, e.g. an activated T cell, includes a chemical agent and at least two copies of an interleukin-2-receptor-binding and endocytosis-inducing ligand coupled to a water soluble polymer. The ligand binds to a receptor on the interleukin-2-receptor-bearing cell and elicits endocytosis of the composition. The composition also optionally includes a spacer for coupling the chemical agent and the ligand to the polymer. Chemical agents can include cytotoxins, transforming nucleic acids, gene regulators, labels, antigens, drugs, and the like. A preferred water soluble polymer is polyalkylene oxide, such as polyethylene glycol and polyethylene oxide, and activated derivatives thereof. The composition can further comprise a carrier such as another water soluble polymer, liposome, or particulate. Methods of using these compositions for delivering a chemical agent in vivo or in vitro are also disclosed.

IPC 1-7

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CPC (source: EP)

**A61K 47/6425** (2017.07); **A61P 35/02** (2017.12)

Citation (search report)

- [PX] WO 9733618 A1 19970918 - THERATECH INC [US], et al
- [E] WO 0007543 A2 20000217 - WATSON LAB INC UTAH [US], et al
- [A] WO 9608263 A1 19960321 - THERATECH INC [US]
- See references of WO 9907324A2

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**WO 9907324 A2 19990218**; **WO 9907324 A3 19990415**; AU 8769898 A 19990301; CA 2299368 A1 19990218; EP 1011705 A2 20000628; EP 1011705 A4 20000920; JP 2003516305 A 20030513

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