

Title (en)
POTENT CONJUGATES AND HYDROPHILIC LINKERS

Title (de)
WIRKUNGSSTARKE KONJUGATE UND HYDROPHILE BINDER

Title (fr)
CONJUGUÉS PUISSANTS ET SÉQUENCES DE LIAISON HYDROPHILES

Publication
EP 2486023 A1 20120815 (EN)

Application
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Priority
US 2009059620 W 20091006

Abstract (en)
[origin: WO2010126551A1] Linkers for binding drugs to cell binding agents are modified to hydrophilic linkers by incorporating a polyethylene glycol spacer. The potency or the efficacy of the cell-binding agent-drug conjugates is surprisingly enhanced several folds in a variety of cancer cell types, including those expressing a low number of antigens on the cell surface or cancer cells that are resistant to treatment. A method for preparing maytansinoids bearing a thioether moiety and a reactive group which allows the maytansinoid to be linked to a cell-binding agent in essentially a single step is also provided.

IPC 8 full level
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CPC (source: EP KR US)
A61K 31/535 (2013.01 - KR); **A61K 47/60** (2017.08 - EP); **A61K 47/68033** (2023.08 - EP KR US); **A61K 47/6851** (2017.08 - EP); **A61K 47/6889** (2017.08 - EP); **A61P 31/12** (2018.01 - EP); **A61P 33/00** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 35/02** (2018.01 - EP); **A61P 37/02** (2018.01 - EP); **A61P 37/06** (2018.01 - EP); **C07D 498/18** (2013.01 - EP KR US)

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