LIGAND-DRUG CONJUGATE HAVING FREE PAYLOAD RECOVERY UNIT

ABSTRACT

A ligand-drug conjugate comprising a free payload recovery unit and use thereof in preventing or treating a disease are provided. The ligand-drug conjugate, through a connected recovery unit capable of binding a free payload, can remove a free payload, significantly improving safety of medication; besides, through recovering a free payload, payloads carried by the ligand-drug conjugate are increased overall, compensating for activity loss caused by payload release. Therefore, by introducing a recovery unit to achieve recovery of a free payload, safety and efficacy of the ligand-drug conjugate can be significantly increased, and a therapeutic window can be expanded.

(FIG. 1)