Abstract

The present discloses a kind of paclitaxel steroid compound. Paclitaxle steroid compound is composed of paclitaxel and steroid lipid molecule by nonchemical bonding reaction, the molar ratio of paclitaxel and steroid is 1:0.2~4, preferably 1:0.25~2. The invention also discloses the preparation of paclitaxel steroid compound and preparation of submicron emulsion, self-microemulsifying system and oral preparations. Steroid compound has greatly improved the paclitaxel solubility in oil phase and also provides a good intermediate carrier for new emulsion with high encapsulation efficiency, good safety and stable quality and for oral preparations with high bioavailability.