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(57) Abstract :

Anti-proliferative potential of phytoestrogen lipid-conjugate relates to a novel phytoestrogen lipid conjugate, the lipophilicity and permeability can be improved and the compound can be efficiently delivered to the nuclear ER receptor. The developed quercetin lipid conjugate prevent dimerization of estrogen receptor and also has the potential to down regulate ER Alpha driven proliferative genes such as CCND1, CMYC by binding to estrogen responsive elements and control cell proliferation and invasion.

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