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(54) Title: POLYMER-DRUG CONJUGATE BASED ON A POLYISOOLEFIN-BASED COPOLYMER

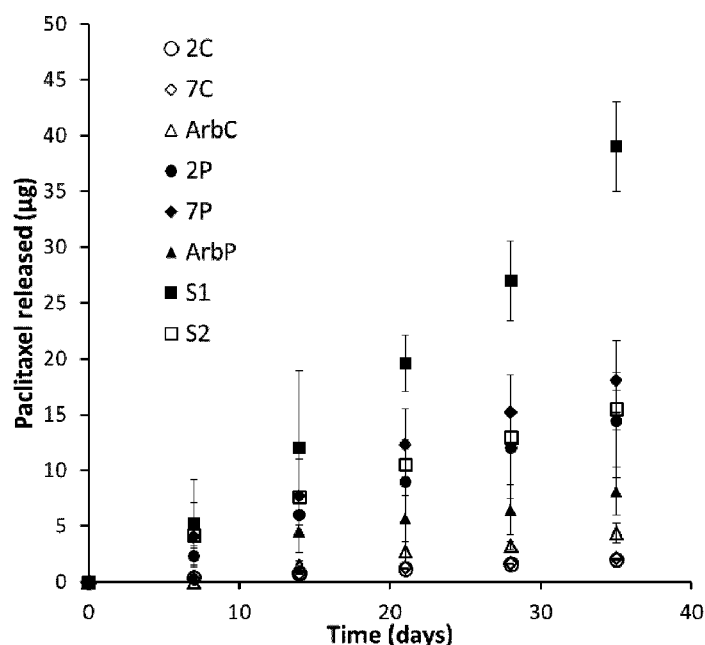


Fig. 1

(57) Abstract: A polymer-drug conjugate, which can be used in medical applications such as stents, has at least one active agent conjugated through a carboxylic acid moiety to a copolymer derived from at least one isoolefin monomer and at least one copolymerizable monomer, where the copolymerizable monomer is at least one multiolefin monomer, a β -pinene monomer or a mixture thereof. Such conjugates show improved adhesion to stainless steel and a substantial decrease in burst release of paclitaxel from a drug eluting stent (DES).



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