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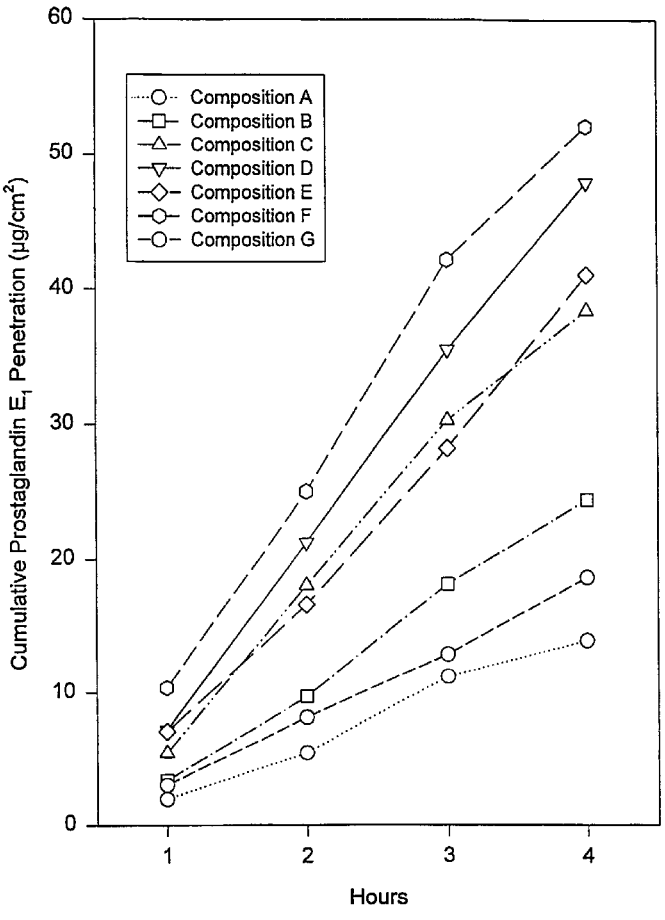
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(54) Title: TOPICAL COMPOSITIONS CONTAINING PROSTAGLANDIN E_1



(57) Abstract: A topical composition of a semi-solid consistency suitable is provided for transdermal application of prostaglandin E_1. The composition comprises prostaglandin E_1, a penetration enhancer, a polysaccharide gum, a lipophilic compound, and an acidic buffer system. The penetration enhancer is an acid addition salt of an alkyl-2-(substituted amino)-alkanoate ester, of a (substituted amino)-alkanol alkanoate, or of a mixture thereof. The lipophilic compound may be an aliphatic C_1 to C_8 alcohol, an aliphatic C_8 to C_{30} ester, or a mixture of these. The composition includes a buffer system capable of providing a buffered pH value for said composition in the range of about 3 to about 7.4.

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