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ACTION

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(54) Title: PROSTAGLANDIN COMPOSITIONS AND METHODS OF TREATMENT FOR MALE ERECTILE DYSFUNCTION

(57) Abstract: The invention provides methods of treating erectile dysfunction comprising the step of placing within the fossa navicularis of the patient an effective erection-inducing amount of a prostaglandin E_1 composition of a semi-solid consistency. 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 alkyl-2-(N,N-disubstituted amino)-alkanoate ester, an (N,N-disubstituted amino)-alkanol alkanoate, or a mixture of these. The lipophilic compound may be an aliphatic C_1 to C_8 alcohol, aliphatic C_2 to C_{30} ester, 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.