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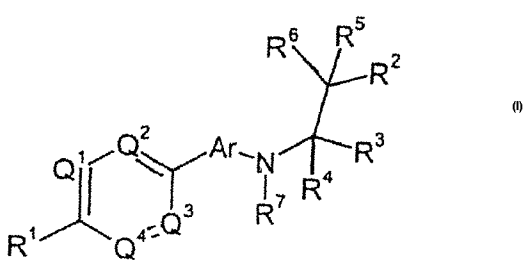
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(54) Title: PHENYL OR HETEROARYL AMINO ALKANE DERIVATIVES AS IP RECEPTOR ANTAGONIST



(I)

(57) Abstract: The present invention relates to a phenyl or heteroaryl amino alkane derivatives which are useful as an active ingredient of pharmaceutical preparations. The phenyl or heteroaryl amino alkanes of the present invention have IP receptor antagonistic activity, and can be used for the prophylaxis and treatment of diseases associated with IP receptor antagonistic activity. Such diseases include urological diseases or disorder as follows: bladder outlet obstruction, overactive bladder, urinary incontinence, detrusor hyper-reflexia, detrusor instability, reduced bladder capacity, frequency of micturition, urge incontinence, stress incontinence, bladder hyperreactivity, benighn prostatic hypertrophy (BPH), prostatitis, urinary frequency, nocturia, urinary urgency, pelvic hypersensitivity, urethritis, pelvic pain syndrome, prostatodynia, cystitis, or idiophatic bladder hypersensitivity. The compounds of the present invention are also useful for treatment of pain including, but not limited to inflammatory pain, neuropathic pain, acute pain, chronic pain, dental pain, premenstrual pain, visceral pain, headaches, and the like; hypotension; hemophilia and hemorrhage; and inflammation, since the diseases also is alleviated by treatment with an IP receptor antagonist.

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