

ments therefore are compatible with the view that kining that ordens fromstim and protein transfer are two

ve en May 23, 1964

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Pharmacological Activity of Phenylisopropylhydroxylamine and its O-Methyl Ether

ropylamine (amphetamins) and, more recently, the use of propriitydrayclamine (PIH) and its 0-methyl ether PIHE. Little has been sublished concerning the phormaand Major' examined the action of a series of hydroxylamino analogues of certain biologically active segmes and

PHII was perpared from phenylasetone oxime by the ing O methyl other was obtained similarly from phonel-2propagate oxing Quetled other. Both bore ween isolated, purified and stored as their stable neutral exalates, but were injected as freshly perpared solutions of

PIH, at a dose-level of 25 mg/kg (interspectable) evokes a lower level of rage in healthy adult cats than does emphetamine, but the effects lasted Imper. Bage behaviour is judged by changes in pilometer activity, salvation, pupil dilation, growling, hissing, withdrawal and aggressive behaviour as separted by Norton and Cate receiving this appropried, in addition to rage, oxiohit both a possilar circular head motion and characteristic head motion. Atropine does not block the solivation. PIH does not significantly increase the rectal temperature of cats, while many amphetaming-like compounds are pyretogenie. PIHE fails to produce any observable changes in cat behaviour.

beam interruptions', indicates that PIH has an ED-- 20 mg/kg (effective dose to double motor activity) 10 mg/kg. Interestingly, PIHE was inactive, at 160 mg/kg, in this test during the usual observation time of 95 h, but spontaneous motor activity began to increase 2 h inter and fmally reached levels seven times that of the control; clouic convulsions and death followed. PIH decreased hexobarbital sleeping time in mice by about 20 per cent while PIHE increased it by 44 per cent. phenetholomine, while PIHE was almost without offset We are now examining the phaemacology of a number and estanomic activity. F. BESTINGTON

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"Workle, S. A., and Young, E. Z. H., J. Medicinel Chro., 5, 178 (1962). Effect of Angiotensin on Intraocular Pressure By a persions report from this leboustery, it was

observed that injectious of noradsenalise, made discetly into the vitrous body of the rabbit eye, lowered the intracutflow of agueous humour from the angle of the anterior an effect could be related to the vaccomstrator action of norsdrendline, it was decided to examine the oction effects of angiotensin, a vasopressor compound which does not stimulate sympathetic alphu receptors. Some In all those experiments, albino rubbits of the Nov.

Zealand white strain were used. Urothane 1-2 g/kg was humour determined from snalysis of pressure decay experiments, angiotensis was injected close-arterially to arters. The mean arterial blood pressure are recorded both eves were campulated prior to the injection. The results of such an experiment are shown in Fig. 1. Injecthe remares in the control ove, which followed the general which received most of the angiotensin fell during the injection and then returned to normal. The fall in intrablanching of the iris. The transient change in intracoular pressure seen in the test eye could be due to a a relevation of the extraceular reasoles. Thus, an indication of a marked change in intraorular pressure under these conditions is not sufficient to indicate that aspicton-

It is well known that any change in the steady-state intraocular prossure must be explained in terms of three factors which govern interaction pressure at equilibrium, to outflow and episcleral venous pecseure. To determine the effect of angiotencia on the steady-state intersecular