

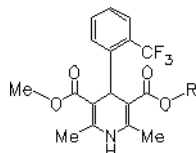
pyridine derivatives

R 0380

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A Homologous Series of Permanently Charged 1,4-Dihydropyridines: Novel Probes Designed to Localize Drug Binding Sites on Ion Channels.

— To investigate the dependence of the alkyl-chain length of nifedipine- derivatives on their activity at the 1,4-dihydropyridine (1,4-DHP) binding site a series of analogues, e.g. (I), is synthesized. The affinity of these probes for the 1,4-DHP binding side of the L-type calcium channel is evaluated by radioligand binding side of the L- type calcium channel is evaluated by radioligand binding experiments using intact cells. — (BAINBUR, N.; RUTLEDGE, A.; TRIGGLE, D. J.; J. Med. Chem. 36 (1993) 23, 3743-3745; Sch. Pharm., State Univ. N. Y., Buffalo, NY 14260, USA; EN)

**I**a R: $-(CH_2)_3-Me$ b R: $-(CH_2)_7-Me$ c R: $-(CH_2)_9-Me$ d R: $-(CH_2)_{11}-Me$ e R: $-(CH_2)_{13}-Me$