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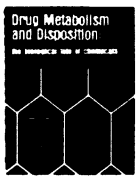

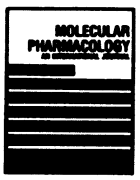

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Specific areas of interest include: stereochemical, electronic, and other parameters of drug architecture; conformational analysis of receptors and their function; drug-enzyme and other interactions between drugs and macromolecules; drug effects upon gene replication and transcription and on protein synthesis; mechanism of action of antibiotics and other growth-inhibitory drugs; induction by drugs of changes in macromolecular structure or allosteric transitions; drug-induced alterations in metabolic pathways; effects of hormones and other drugs on cellular regulatory mechanisms; chemical mutagenesis, carcinogenesis, and teratogenesis; pharmacogenetics, idiosyncrasies, and drug allergies; selective toxicity in a single organism or in different species; drug actions on properties and functions of membranes; mechanisms of drug metabolism; distribution and transport of drug molecules between biological compartments.

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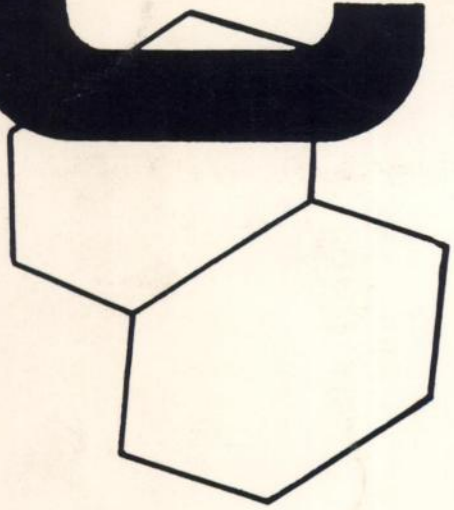

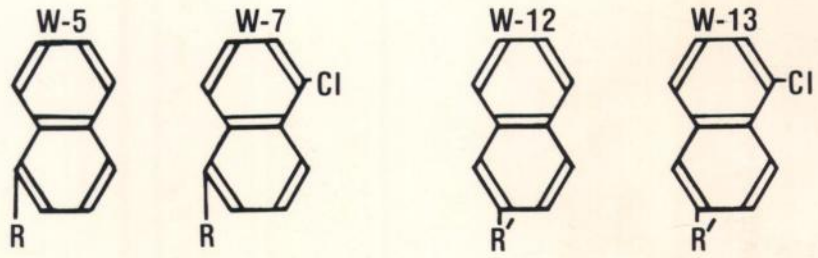

$R = SO_2NH(CH_2)_6NH_2 \cdot HCl$ $R' = SO_2NH(CH_2)_4NH_2 \cdot HCl$

Affinity of calmodulin antagonists for calmodulin

	$IC_{50}(\mu M)$*)			
	W-7	W-5	W-13	W-12
Inhibition of phosphodiesterase activation	28	240	68	260
Inhibition of myosin light chain kinase	51	230	58	300
Displacement of ^3H W-7 from calmodulin	31	210	55	280

*) IC_{50} is defined as the concentration of drug required to displace 50% of the labeled W-7 from calmodulin or to produce 50% inhibition of each enzyme activity.

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