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Carvedilol

National Cancer Institute

Source

National Cancer Institute. *Carvedilol*. NCI Thesaurus. Code C28906.

A synthetic antihypertensive methoxyphenoxy- 2-propanol derivative with no intrinsic sympathomimetic activity, Carvedilol acts as a nonselective beta-adrenoceptor blocking agent (S(-) enantiomer) and as an alpha 1-adrenoceptor blocker (R(+) and S(-) enantiomers). Its acts more strongly on beta-receptors than on alpha 1-receptors, reduces peripheral vascular resistance by vasodilation, and prevents reflex tachycardia (beta-blockade) so that heart rate is either unchanged or decreased. Carvedilol also reduces renin release through beta-blockade. (NCI04)