

[Open Peer Review on Qeios](#)

Isoproterenol

National Cancer Institute

Source

National Cancer Institute. *Isoproterenol*. NCI Thesaurus. Code C62041.

A synthetic catechol compound and potent beta adrenergic agonist with peripheral vasodilator, bronchodilator, and cardiac stimulating properties. Isoproterenol exerts its effect on the beta-1 adrenergic receptors in the myocardium, thereby increasing heart rate and cardiac output. In addition, isoproterenol acts on beta-2 adrenergic receptors in bronchiolar and vascular smooth muscle, thereby causing smooth muscle relaxation.