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Fenoterol

National Cancer Institute

Source

National Cancer Institute. *Fenoterol*. NCI Thesaurus. Code C65659.

A short-acting sympathomimetic agent with bronchodilator activity. Fenoterol stimulates beta-2-adrenergic receptors in the lungs, thereby activating the enzyme adenylate cyclase that catalyzes the conversion of adenosine triphosphate (ATP) to cyclic-3',5'-adenosine monophosphate (cAMP). Increased cAMP concentrations relax bronchial smooth muscle, relieve bronchospasms, and reduce inflammatory cell mediator release, especially from mast cells.