

Open Peer Review on Qeios

Arformoterol

National Cancer Institute

Source

National Cancer Institute. <u>Arformoterol</u>. NCI Thesaurus. Code C61641.

A long-acting beta-2 adrenergic agonist and isomer of formoterol with bronchodilator activity. Arformoterol selectively binds to and activates beta-2 adrenergic receptors in bronchiolar smooth muscle, thereby causing stimulation of adenyl cyclase, the enzyme that catalyzes the conversion of adenosine triphosphate (ATP) to cyclic-3',5'-adenosine monophosphate (cAMP). Increased intracellular cAMP levels cause relaxation of bronchial smooth muscle and lead to a reduced release of inflammatory mediators from mast cells. This may eventually lead to an improvement of airway function.

Qeios ID: PUHVZ7 · https://doi.org/10.32388/PUHVZ7