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# Arformoterol Tartrate

National Cancer Institute

## Source

National Cancer Institute. *Arformoterol Tartrate*. NCI Thesaurus. Code C65240.

The tartrate salt of arformoterol, the (R,R)-enantiomer of formoterol and a long-acting beta-2 adrenergic agonist with bronchodilator activity. Arformoterol selectively binds to and activates beta-2 adrenergic receptors in bronchiolar smooth muscle, thereby causing stimulation of adenylyl 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 an inhibition of release of inflammatory mediators from mast cells. This may eventually lead to an improvement of airway function.