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Metaproterenol Sulfate

National Cancer Institute

Source

National Cancer Institute. *Metaproterenol Sulfate*. NCI Thesaurus. Code C47605.

The sulfate salt form of metaproterenol, a short-acting and selective sympathomimetic beta-receptor agonist with bronchodilator activity. Metaproterenol sulfate binds beta-2 adrenergic receptors in bronchial smooth muscle and stimulates intracellular adenylyl cyclase, thereby increasing the production of cyclic adenosine monophosphate (cAMP). Increased cAMP levels cause relaxation of bronchial smooth muscle, improve mucociliary clearance and reduce inflammatory cell mediator release, especially from mast cells.