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Tiotropium Bromide Monohydrate

National Cancer Institute

Source

National Cancer Institute. *Tiotropium Bromide Monohydrate*. NCI Thesaurus. Code C61974.

The monohydrate bromide salt form of tiotropium, a quaternary ammonium derivative of atropine and a long-acting muscarinic receptor antagonist, with bronchodilating activity. Upon inhalation, tiotropium binds to and blocks mainly muscarinic M3 receptors located on smooth muscle cells, thereby preventing smooth muscle contraction.