β -adrenoceptor agonists

β -adrenoceptor agonists

3 β -adrenoceptor agonists are relatively new pharmacological 3 agents that are used for the treatment of overactive bladder and neurogenic LUT dysfunction. Mechanism of action Similar to antimuscarinics, the β -agonists are thought to 3 exert their principal e ff ects during the storage phase of the β β /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF /uni25CF micturition cycle by reducing bladder a ff erent activity . It is also thought that activation of β -adrenoceptors may downregulate 3 acetylcholine release, resulting in inhibition of parasympa - thetic activity .

-agonist -receptor (+) G-protein (+) Adenylyl cyclase ATP cAMP (+) 2+ Ca Actin and myosin SR Smooth muscle relaxation (b) smooth muscle relaxation. ATP , adenosine triphos

, phosphatidylinositol 4,5-bisphosphate; PKC, protein kinase 2 Common side effects Dry mouth Dry eyes Blurred vision Constipation Cognitive decline Dizziness (postural hypotension) Cardiac arrhythmia Increased blood pressure Headaches Urinary tract infection Nasal congestion Dizziness (postural hypotension) Ejaculatory dysfunction Headache Nasal congestion

---

Revision #1
Created 2025-12-31 15:30:21 UTC by Omar Ayman
Updated 2025-12-31 15:30:21 UTC by Omar Ayman