

pharmacological action of baclofen

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In studies with animals, Baclofen has been shown to have general CNS depressant properties as indicated by the production of sedation with tolerance, somnolence, ataxia, and respiratory and cardiovascular depression. Baclofen is rapidly and extensively absorbed and eliminated. The structural formula is represented below:. Although Baclofen is an analog of the putative inhibitory neurotransmitter gamma-amino-butyric acid GABA , there is no conclusive evidence that actions on GABA systems are involved in the production of its clinical effects. Baclofen is useful for the alleviation of signs and symptoms of spasticity resulting from multiple sclerosis, particularly for the relief of flexor spasms and concomitant pain, clonus, and muscular rigidity. Vomiting, muscular hypotonia, drowsiness, accommodation disorders, coma, respiratory depression and seizures. The determination of optimal dosage requires individual titration. Print this page Add to My Med List. In most cases these cysts disappeared spontaneously while patients continued to receive the drug. Baclofen should be used with caution where spasticity is utilized to sustain upright posture and balance in locomotion or whenever spasticity is utilized to obtain increased function. Baclofen official prescribing information for healthcare professionals. Includes: indications, dosage, adverse reactions, pharmacology and more. Additional pharmacological intervention was not needed, and the neonate was discharged 3 days after the taper ended. The effects of baclofen in labor and obstetric delivery are unknown. Breast-feeding. At therapeutic oral doses, baclofen is excreted in human milk; caution is recommended when using the drug during. Jump to What is baclofen, and how does it work (mechanism of action)? - Baclofen is an oral and injectable medication that relaxes skeletal muscles, the muscles that move the skeleton (and also called striated muscle). Chemically, baclofen is related to gamma-aminobutyric acid (GABA), a naturally. Baclofen is a direct agonist at GABAB receptors. The precise mechanism of action of Baclofen is not fully known. It is capable of inhibiting both monosynaptic and polysynaptic reflexes at the spinal level, possibly by hyperpolarization of afferent terminals, although actions at supraspinal sites may also occur and contribute to. J Pharm Pharmacol. Sep;31(9) Which pharmacological action of baclofen matters most? Waddington JL, Cross AJ. PMID: ; [Indexed for MEDLINE]. Publication Types: Letter. MeSH terms. Animals; Baclofen/metabolism; Baclofen/pharmacology*; Binding, Competitive; gamma-Aminobutyric Acid/. Baclofen (Baclofen) drug information & product resources from MPR including dosage information, educational materials, & patient assistance. Baclofen Rx. Add Drug To My List Compare to related Drugs View/edit/Compare drugs in my list Pharmacological Class: Muscle relaxant (central). Pharmacological Approaches. Three medications have spasticity reduction as their primary indication: baclofen (Lioresal), dantrolene (Dantrium), and tizanidine (Zanaflex). Dantrolene is unique among the oral agents in that its site of action is the peripheral muscle rather than the central neurotransmitter systems. Apr 12, - Division of Psychiatry, MRC Clinical Research Centre, Watford Road, Harrow HA1 3UJ, U.K.. No abstract is available for this article. Continue reading full article Enhanced PDF Standard PDF (KB). Ancillary. Article Information. DOI. /jtbx. View/save citation. Baclofen is a solution for intrathecal injection and intrathecal infusion. It contains no preservatives. Excipients: sodium chloride; water for injection. PHARMACOLOGY. Pharmacodynamics. Baclofen is an antispastic agent with a spinal site of action. Baclofen also has central sites of action given the adverse event profile. Medscape - Indication-specific dosing for Lioresal, Gablofen (baclofen), frequency-based adverse effects, comprehensive interactions, contraindications, pregnancy & lactation schedules, and cost information.