

BUCLIZINE a, b (Systemic)

Indications

Accepted

Motion sickness (prophylaxis) Buclizine is indicated for the prophylaxis of nausea, vomiting, and dizziness associated with motion sickness. 1, 2, 7

Mechanism of action/Effect:

Antiemetic The mechanism by which buclizine exerts its antiemetic and antimotion sickness effects is not precisely known but may be related to its central anticholinergic actions. It diminishes vestibular stimulation and depresses labyrinthine function. An action on the medullary chemoreceptive trigger zone may also be involved in the antiemetic effect. 3

Other actions/effects:

Buclizine also has antihistaminic, anticholinergic, antivertigo, central nervous system (CNS) depressant, and local anesthetic effects. 3

Duration of action:

4 to 6 hours. 3

Precautions to Consider

Pregnancy/Reproduction

Pregnancy Problems in humans have not been documented.

In studies in rats, buclizine has been shown to be teratogenic at doses above the human therapeutic range. 1, 2, 7

Breast-feeding

Buclizine may be distributed into breast milk. However, problems in humans have not been documented.

Because of its anticholinergic actions, buclizine may inhibit lactation. 4

Pediatrics

No information is available on the relationship of age to the effects of buclizine in pediatric patients. However, it is known that pediatric patients exhibit increased sensitivity to anticholinergics, which are related pharmacologically to buclizine.

Geriatrics

No information is available on the relationship of age to the effects of buclizine in geriatric patients. However, it is known that geriatric patients exhibit increased sensitivity to anticholinergics, 4 which are related pharmacologically to buclizine. Therefore, constipation, dryness of mouth, and urinary retention (especially in males) are more likely to occur in the elderly.

Drug interactions and/or related problems

The following drug interactions and/or related problems have been selected on the basis of their potential clinical significance (possible mechanism in parentheses where appropriate) %not necessarily inclusive (>> = major clinical significance):