Hyoscine butylbromide (Buscopan®) Shortage

Suppliers of hyoscine butylbromide 10 mg tablets in Canada.

<table>
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<tr>
<th>DIN</th>
<th>Brand Name</th>
<th>Manufacturer</th>
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<tr>
<td>00363812</td>
<td>Buscopan</td>
<td>BOE</td>
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Indications for hyoscine butylbromide oral tablets:
- The relief of smooth muscle spasm of the gastrointestinal and genitourinary systems.

Hyoscine butylbromide alternatives:
- Hyoscine butylbromide is also available as 20 mg/ml, 1 ml ampoules. It is reasonable to administer this product orally, which would be off-label.
  - The cost of generic injectable is close to 7x that of the tablets on a mg per mg basis.
  - Injectable hyoscine butylbromide is not covered by the Saskatchewan Drug Plan and Extended Benefits Branch (SDPEBB).
  - Injectable hyoscine butylbromide is covered by Non-Insured Health Benefits (NIHB).
- Bulk powder for compounding is not available.

Therapeutic alternatives:
- Due to cost and off-label administration of injectable hyoscine butylbromide, switching to a therapeutic alternative is preferred.

<table>
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<tr>
<th>Alternative</th>
<th>Dose</th>
<th>Comments</th>
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</table>
| Dicyclomine   | 10-20 mg PO QID up to 40 mg PO QID | - generally given PRN before meals  
- same MOA as hyoscine butylbromide (anticholinergic)  
- formulary for SDPEBB, not NIHB | $46.61  
20 mg QID |
| Pinaverium    | 50-100 mg PO TID | - avoid lying down immediately after taking  
- take with food or water  
- MOA = GI calcium antagonist  
- non-formulary for SDPEBB & NIHB | $54.50  
50 mg TID |
| Trimebutine   | 100-200 mg PO TID | - MOA = peripheral opiate  
- non-formulary for SDPEBB & NIHB | $44.20  
100 mg TID |
| Peppermint oil| 0.2-0.4 ml PO TID | - use enteric coated capsules  
- MOA unknown  
- non-formulary for SDPEBB & NIHB | N/A |

MOA = mechanism of action; N/A = information not available  
$\text{3}^*$Based on 34 day supply of least expensive product for dosing regimen indicated; includes mark-ups and professional fee.
References:


