



Preferred Drug List

NEW DRUG REVIEW

Proprietary Name: Brovana™

Common Name: Arformoterol tartrate Inhalation Solution

PDL Category: Antiasthmatic – Beta Adrenergics

<u>Comparable Products</u>	<u>Preferred Drug List/ Recommended Drug List Status</u>
Albuterol Sulfate Neb. Soln. 0.083%	Preferred
Xopenex® Soln.	Preferred

Summary

Indications and Usage: Maintenance treatment of bronchoconstriction in COPD patients

Mechanism of Action: Selectively stimulates beta₂ receptors in bronchial smooth muscle resulting in its relaxation

Dosage Forms: Nebulizer Solution: 15mcg of arformoterol as 2mL unit dose vials in boxes of 30 or 60

Recommended Dosage: One 2mL vial (15mcg of arformoterol) nebulized twice-a-day (morning and evening)

Common Adverse Drug Reactions: Hypertension, tachycardia, chest pain, back pain, diarrhea, sinusitis

Contraindications: Previous hypersensitivity to any component of the product

Manufacturer: Sepracor Inc.

Analysis: Brovana™ is the first long-acting beta agonist nebulizer solution to be introduced to the market. When compared to placebo in early clinical trials, Brovana™ demonstrated greater post-dose bronchodilation (defined by FEV₁ change from baseline) over twelve hours after the dose, improvements in peak expiratory flow rates, and decreased use of rescue ipratropium and albuterol. The manufacturer suggests that earlier warnings issued that the use of long-acting beta₂ agonists increases the risk of asthma-related death can be applied to arformoterol as well. Other beta agonists appear on the Iowa Medicaid Preferred Drug List as preferred products, which are effective at treating bronchoconstriction associated with COPD, which are more cost effective than Brovana™. Additionally, short-acting beta₂ agonists (which are preferred on the Preferred Drug List) should be used as a first-line treatment.

IME Recommendation:

<input type="checkbox"/>	Preferred Drug	<input type="checkbox"/>	Recommended Drug
<input checked="" type="checkbox"/>	Non-Preferred Drug	<input type="checkbox"/>	Non-Recommended Drug
<input type="checkbox"/>	Preferred Drug with Conditions		