

Mediators by symptom

- **Bronchoconstriction** - (large/medium airways) (one pill to combat all of these?)
 - Acetylcholine
 - Histamine
 - Adenosine
 - Leukotrienes
 - Bradykinin
 - Tachykinins
 - Prostanoids
 - Endothelins
 - Platelet activating factor

Mediator	Bronchocon.	Secretion	Inflamm	AHR
Histamine	++	+	+	-
Serotonin	-	?	+	-
Adenosine	+?	?	?	-
PGD ₂ /PGF _{2α}	++	+	+	-
Thromboxane	++	?	++	+
LTC ₄ /LTD ₄ /LTE ₄	+++	++	+++	+
PAF	++	+	++	++
Bradykinin	+	+	++	-
Tachykinins	++	++	++	-
Endothelins	+++	+	+	?
Complement	+	+	++	-
ROS	?	+	+	-
Proteases	?	++	+	+

Difficulties of finding a cure

- Leukotriene receptor antagonist
 - If you target one its unlikely to stop everything as the body'll find an alternative pathway