

PTALC-FDLQUEST #4

Head, Eyes, Ears, Nose & Throat

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P-TALC

GLAUCOMA AGENTS

NOTES ABOUT TIMOLOL:

- All Combination products with timolol in them use the 0.5% strength timolol, so just focus on memorizing the strength of the other medications
- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.



P-TALC

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P TIMOLOL

Beta blocker

Brand name(s):

TIMOPTIC®

TIMOPTIC-XE®
(timolol maleate / collyre au maléate)

Brand name discontinued for 0.25%

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

Doses/forms:

Ophthalmic Soln:

Timoptic:



0.5% w/v

Timoptic-XE:



0.5% w/v

P-TALC

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BRIMONIDINE TARTRATE

Alpha-2 Adrenergic
agonist

Brand name(s):



Alphagan[®] P
(brimonidine tartrate ophthalmic solution) 0.1%

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Brimonidine is contraindicated in those ≤ 2 years old and in patients taking MAOI's

Doses/forms:

Ophthalmic Soln:

Alphagan:



0.2% w/v

Alphagan P:



0.15% w/v

P-TALC

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BIMATOPROST

Prostaglandin F2 α
Analogue

Brand name(s):



Doses/forms:

Ophthalmic Soln:

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity



0.01% w/v



0.03% w/v

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LATANOPROST

Prostaglandin F2 α
Analogue

Brand name(s):

Xalatan[®]
(latanoprost ophthalmic solution) 0.005%

Monoprost[®]
Ophthalmic sterile solution Latanoprost 0.005 %

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity

Doses/forms:

Ophthalmic solution:

Xalatan:



50 μ g/mL

P-TALC

Monoprost:



50 μ g/mL

(Preservative free)

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P LATANOPROSTENE BUNOD

Prostaglandin F2 α
Analogue

Brand name(s):



Doses/forms:

Ophthalmic Soln:

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity



0.024% w/v

P-TALC

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P TRAVOPROST

Prostaglandin F2 α
Analogue

Brand name(s):



Doses/forms:

Ophthalmic Soln:

IZBA:

Travatan Z:

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity



0.003% w/v
travoprost



0.004% w/v
travoprost

P-TALC

1/2

P

LATANOPROST / TIMOLOL

Prostaglandin F2 α
Analogue/Beta Blocker

Brand name(s):



Indication(s):

- Open-angle glaucoma and ocular hypertension.

Contraindication(s):

- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

Doses/forms:

Ophthalmic Soln:



50 μ g/mL latanoprost,
5 mg/mL timolol

P-TALC

2/2

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TRAVOPROST / TIMOLOL

Prostaglandin F2 α
Analogue/Beta Blocker

Brand name(s):



Doses/forms:

Ophthalmic Soln:



Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

0.004% w/v travoprost,
0.5% w/v timolol

P-TALC

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BRIMONIDINE / TIMOLOL

Alpha-2 Adrenergic
Agonist/Beta blocker

Brand name(s):



Doses/forms:

Ophthalmic Soln:

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Brimonidine is contraindicated in those ≤ 2 years old and in patients taking MAOI's.
- Timolol is contraindicated in patients with asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

P-TALC



0.2% brimonidine
tartrate/0.5% timolol

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P DORZOLAMIDE HCL

Carbonic Anhydrase
Inhibitor

Brand name(s):



Doses/forms:

Ophthalmic Soln:



Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity

2% dorzolamide

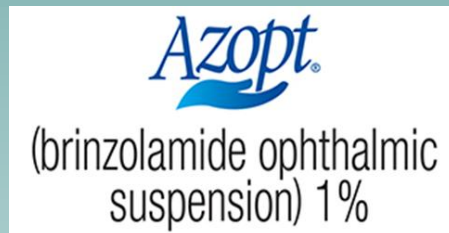
P-TALC

2/2

® BRINZOLAMIDE

Carbonic Anhydrase
Inhibitor

Brand name(s):



Doses/forms:

Ophthalmic Susp:



1% w/v

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity

P-TALC

1/2

P

DORZOLAMIDE / TIMOLOL

Carbonic Anhydrase
Inhibitor/ Beta blocker

Brand name(s):



Doses/forms:

Ophthalmic Soln:



Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

20 mg/mL Dorzolamide
5 mg/mL Timolol

P-TALC

2/2

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BRINZOLAMIDE / TIMOLOL

Carbonic Anhydrase
Inhibitor/ Beta blocker

Brand name(s):



Doses/forms:

Ophthalmic Susp:



Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Timolol is contraindicated in patients with: asthma, severe COPD, sinus bradycardia, sick sinus syndrome, heart block not controlled with a pacemaker, and cardiac failure.

1% w/v
brinzolamide/
0.5% timolol

P-TALC

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BRINZOLAMIDE/BRIMONIDINE

Carbonic Anhydrase
Inhibitor/ Alpha-2
Adrenergic Agonist

Brand name(s):



Doses/forms:

Ophthalmic Susp:



Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Brimonidine is contraindicated in those ≤ 2 years old and in patients taking MAOI's

1% w/v brinzolamide
0.2% brimonidine

P-TALC

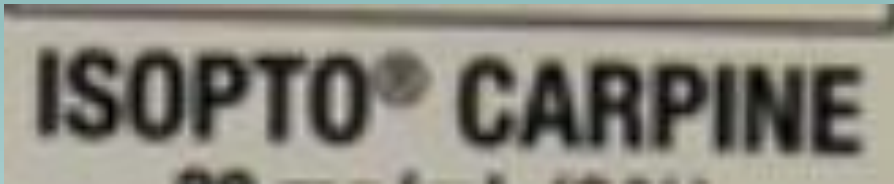
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PILOCARPINE HCl

Cholinergic Agonist

Brand name(s):



Doses/forms:

Ophthalmic Susp:

Indication(s):

- Open-angle glaucoma and ocular hypertension

Contraindication(s):

- Patients with hypersensitivity



2%

P-TALC

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P

OXYMETAZOLINE HCL

Nasal Decongestant

Brand name(s):



Indication(s):

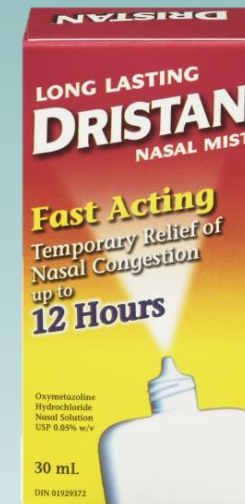
- Indicated for nasal congestion

Contraindication(s):

- Nasal decongestants are contraindicated in patients taking MAOI's and those with severe, uncontrolled hypertension or severe coronary artery disease.
- Caution in those with hypertension, diabetes, closed-angle glaucoma, heart failure, prostatic hypertrophy, hyperthyroidism, and urinary retention.

Doses/forms:

Nasal spray:



0.05% w/v

P-TALC

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P XYLOMETAZOLINE HCL

Nasal Decongestant

Brand name(s):

Otrivin®

Indication(s):

- Indicated for nasal congestion

Contraindication(s):

- Nasal decongestants contraindicated in patients taking MAOI's and those with severe, uncontrolled hypertension or severe coronary artery disease.
- Caution in those with hypertension, diabetes, closed-angle glaucoma, heart failure, prostatic hypertrophy, hyperthyroidism, and urinary retention.

Doses/forms:

Metered Dose Spray:



0.1% w/v

P-TALC

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P TETRAHYDROZOLINE HCL

Ophthalmic
Decongestant

Brand name(s):



Doses/forms:

Drops:



Indication(s):

- Indicated for allergic conjunctivitis

Contraindication(s):

- Ophthalmic decongestants contraindicated in patients with closed-angle glaucoma
- Caution in those with hypertension, diabetes, closed-angle glaucoma, heart failure, prostatic hypertrophy, hyperthyroidism, and urinary retention.

0.05% w/v

P-TALC

1/1

P PSEUDOEPHEDRINE HCL

Oral Decongestant

Brand name(s):



Discontinued

Doses/forms:

Sudafed Extra Strength:

Tab(s):



60 mg

Contraindication(s):

- Caution in those with hypertension, diabetes, closed-angle glaucoma, heart failure, prostatic hypertrophy, hyperthyroidism, and urinary retention.

P-TALC

P CETIRIZINE HCL

Antihistamine

Brand name(s):



Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- Patients with hypersensitivity

Doses/forms:

Tabs:



5mg



10mg



20mg

ODT:



10mg

Liquid Gel Caps:



10mg

Syrup:



5 mg/5 mL

P-TALC

ODT = Orally Disintegrating Tabs

2/7

P DIPHENHYDRAMINE HCL

Antihistamine

Brand name(s):



Dosage forms on the
next slide

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- Patients with hypersensitivity

P-TALC

2/7

P

DIPHENHYDRAMINE HCL

Antihistamine

Doses/forms:

Benadryl:
Caplets:



25mg



50mg

Capsules:



25mg

Chew tabs:



12.5mg

Benadryl:
Oral Soln:



6.25mg/5mL



12.5mg/5mL

Cream:



2% w/v

P-TALC

Generic:
Injectable:



50 mg/mL

Tabs or Liquid Gel Caps:



25mg



50mg

Liquid:
12.5mg/5mL

3/7

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FEXOFENADINE HCL

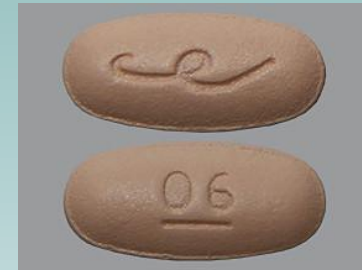
Antihistamine

Brand name(s):



Doses/forms:

Tabs:



60mg



120mg

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- Patients with hypersensitivity

P-TALC

4/7

P

LORATADINE

Antihistamine

Brand name(s):



Doses/forms:

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- Patients with hypersensitivity

Claritin

Tab:



10 mg

ODT:



5, 10 mg

Syrup:



5mg/5mL

Allertin

Caps:



10 mg

Liquid Gel Caps:



10 mg

P-TALC

ODT = Orally Disintegrating Tabs

5/7

P

DESLO RATADINE

Antihistamine

Brand name(s):



Doses/forms:

Tab s:



5mg

Syrup:



0.5 mg/mL

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- Patients with hypersensitivity

P-TALC

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P BILASTINE

Antihistamine

Brand name(s):

Pr **BLEXTEN** MC

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- In those with history of QT prolongation and/or torsade de pointes
- Patients with hypersensitivity

Doses/forms:

Tab:



10 mg

20 mg

Syrup:



2.5 mg/mL

ODT:

10 mg

P-TALC

7/7

P RUPATADINE

Antihistamine

Brand name(s):

Rupall™

Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- In those with history of QT prolongation and/or torsade de pointes
- Patients with hypersensitivity

Doses/forms:

Tabs:



10mg

Oral Soln:



1mg/mL

P-TALC

1/1

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AZELASTINE / FLUTICASONE PROPIONATE

Antihistamine -
Corticosteroid
for Nasal Use

Brand name(s):



Indication(s):

- Seasonal and perennial allergies, urticaria and pruritus

Contraindication(s):

- In those with untreated fungal or bacterial infections of the respiratory tract

Doses/forms:

Suspension:



137µg azelastine, 50µg
fluticasone/metered
spray

P-TALC

1/1

^P MONTELUKAST

Leukotriene
Receptor Antagonist

Brand name(s):

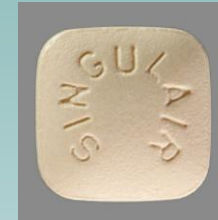
^P **SINGULAIR**[®]
(montelukast sodium)

Indication(s):

- Prophylaxis and treatment of asthma
- Relief of seasonal allergic rhinitis

Doses/forms:

Tabs:



10 mg

Chew Tabs:



4 mg



5 mg

Sachet powder:



4 mg

P-TALC

1/2

P OLOPATADINE HCL

Antiallergic

Brand name(s):



Indication(s):

- Olopatadine is Indicated for allergic conjunctivitis

Contraindication(s):

- Patients with hypersensitivity

Doses/forms:

Patanol:



0.1% w/v

Ophthalmic Soln:

Pataday:



0.2% w/v

Pazeo:



0.7% w/v

P-TALC

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P SODIUM CROMOGLYCATE

Antiallergic
(Mast Cell Stabilizer)

Brand name(s):



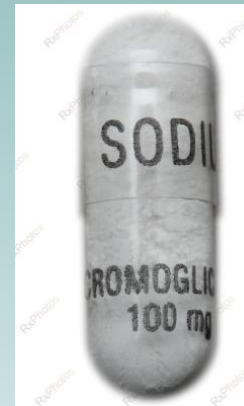
Discontinued

Indication(s):

- Indicated for the treatment of allergic rhinitis, conjunctivitis, seasonal and perennial allergies

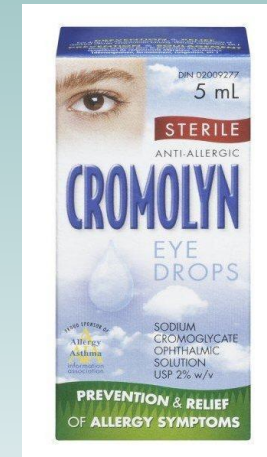
Doses/forms:

Caps:



100 mg

Ophthalmic Soln:
(Cromolyn):



2% w/v

P-TALC



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better!**

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