Appendix 1. Selection of study eye

If both eyes were dosed, then the worse evaluable eye (defined as the eye with higher intraocular pressure (IOP) at 09:00 h averaged across the two eligibility visits) was selected as the study eye. If the IOP was the same in both eyes at 09:00 h, then the worse evaluable eye was defined as the eye with higher IOP at 11:00 h averaged across the 2 eligibility visits; if both eyes were still equal, the right eye was selected as the study eye.

Appendix 2. Key exclusion criteria

Key exclusion criteria were (1) Central corneal thickness >620 μm as measured by pachymetry in either eye; (2) Schaffer angle grade <2 in either eye, as measured by gonioscopy; (3) Cup/disc ratio >0.80 in either eye; (4) Best-corrected visual acuity (BCVA) score worse than 55 Early Treatment Diabetic Retinopathy Study letters (equivalent to \sim 20/80 Snellen, 0.60 logarithm of the minimum angle of resolution, or 0.25 decimal) in either eye; (5) Severe central visual field loss in either eye or field loss threatening fixation in either eye. Severe central visual field loss was defined as a sensitivity of ≤10 dB in at least 2 of the 4 visual field test points closest to the point of fixation; (6) Hypersensitivity to α-adrenergic agonists, carbonic anhydrase inhibitors, prostaglandins, sulfonamide derivatives, or to any component of the trial medications, in the opinion of the investigator.

Appendix 3. Assessment of IOP, BCVA, perimetry, fundus and slit-lamp examination

Two IOP measurements were taken for each eye. If the 2 measurements for the same eye differed by ≤4 mmHg, the average value was considered as the mean IOP for that eye. If the 2 measurements for the same eye differed by >4 mmHg, a third measurement was taken and the two closest values were averaged. If the 3 measurements differed by equal amounts, all 3 measurements were averaged. BCVA assessments were performed at screening, eligibility, and on-therapy follow-up visits. Automated perimetry and dilated fundus examination were performed at screening and at the Week 6 follow-up visit. Automated perimetry was performed using either a Humphrey Field Analyzer or Octopus Perimeter, or other perimeters with prior approval of the Sponsor. The dilated fundus examination included assessments of vitreous, retina/macula/choroid, optic nerve, and cup/disc ratio (horizontal and vertical axis) for both eyes. Slit-lamp biomicroscopy examination

included assessment of the aqueous cells and flare and the lens and the examination was conducted prior to IOP measurements or instillation of fluorescein.

Appendix 4: Results for changes in blood pressure, visual acuity, perimetry, slit lamp biomicroscopy

Mean changes in systolic blood pressure (SBP) and diastolic blood pressure (DBP) were small in the BBFC+PGA (SBP ≤7.7 mmHg, DBP ≤3.1 mmHg) and vehicle+PGA group (SBP ≤3.1 mmHg, DBP ≤1.6 mmHg). Mean changes in pulse in both treatment groups at any time point after dosing were also small (<2.1 beats per minute).

Mean visual acuity at Eligibility 2 visit (baseline) was similar in both the groups (BBFC+PGA 81.5 letters; vehicle+PGA 81.6 letters). The mean change in visual acuity from baseline was also similar between BBFC+PGA and vehicle+PGA groups at Week 2 (both –1.2 letters) and Week 6 (–0.9 letters and –0.8 letters respectively). At baseline, the mean defect (measured using an Octopus Field Analyzer) was 3.24 (BBFC+PGA) and 0.96 (vehicle +PGA), which decreased at Week 6 by 0.31 (BBFC+PGA) and 0.57 (vehicle+PGA). The two groups also showed a comparable change in mean deviation from baseline (BBFC+PGA –3.86; vehicle+PGA –3.42) to Week 6 (mean change: BBFC+PGA 1.308; vehicle+PGA 1.017) as measured with a Humphrey analyzer.

There were no differences between the groups for slit-lamp biomicroscopy (no worsening of slit lamp parameters like aqueous flare and status of lens in any patient). One patient experienced a faint aqueous flare on an unscheduled visit and withdrew from the treatment due to intolerable hyperemia.

Supplementary Table 1. Mean IOP and mean reduction in IOP (mmHg) from baseline at each visit by time point and mean diurnal IOP at Week 6 in patients with 16:00 h data (full analysis set)

Visit	Time point	BBFC+PGA N=95		Vehicle+PGA N=92			
						IOP Mean (SD)	IOP Reduction Mean (SD)
		^a Baseline	09:00	23.9 (1.99)	-		
			11:00	22.7 (2.54)	_	23.0 (2.60)	_
	16:00	21.9 (2.44)	-	22.1 (2.85)	_		
Week 2	09:00	19.1 (3.90)	4.7 (3.25)	22.4 (3.25)	1.5 (2.47)		
	11:00	16.4 (3.27)	6.3 (3.12)	21.1 (3.55)	1.9 (2.56)		
	16:00	16.7 (3.01)	5.2 (2.88)	20.5 (3.63)	1.6 (2.56)		
Week 6	09:00	19.3 (3.51)	4.6 (3.02)	21.1 (3.68)	2.9 (3.02)		
	11:00	15.7 (3.69)	7.0 (3.37)	20.3 (3.62)	2.7 (2.91)		
	16:00	17.2 (3.06)	4.9 (2.75)	19.9 (3.87)	2.2 (3.19)		
		Diurnal IOP	Diurnal IOP	Diurnal IOP	Diurnal IOP		
		Mean (SD)	reduction	Mean (SD)	reduction		
		, ,	Mean (SD)	. ,	Mean (SD)		
^b Baseline	_	22.7 (2.02)	_	22.9 (2.26)	_		
Week 6	_	17.4 (3.06)	5.3 (2.46)	20.4 (3.48)	2.4 (2.59)		

^aBaseline is defined as the average of the 9:00-h, 11:00-h and 16:00-h values at both eligibility visits for 09:00-h, 11:00-h and 16:00-h calculations, respectively.

^bBaseline is defined as the average of the 9:00-h and 11:00-h values at both eligibility visits. BBFC, brinzolamide 1%/brimonidine 0.2% fixed-dose combination; N, number of patients; PGA, prostaglandin analog; SD, standard deviation.

Supplementary Table 2. Mean change from baseline in ocular perfusion pressure (mmHg) at individual time points and at Week 6 (full analysis set)

Visit	Time	BBFC+PGA N=95		Vehicle+PGA N=92	
	point				
		ОРР	Increase in OPP	ОРР	Increase in OPP
		Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)
^a Baseline	09:00	48.4 (6.53)	-	49.5 (7.07)	-
	11:00	48.4 (7.00)	_	49.5 (6.86)	-
Week 6	09:00	51.0 (7.32)	2.5 (5.22)	50.2 (7.72)	0.6 (4.40)
	11:00	49.9 (7.84)	1.4 (4.76)	49.5 (7.79)	0.2 (4.52)
		OPP	Increase in OPP	OPP	Increase in OPP
		Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)
^b Baseline	_	48.2 (6.52)	-	49.4 (6.72)	
Week 6	_	50.7 (7.11)	2.4 (4.30)	50.1 (7.49)	0.6 (3.74)

^aBaseline is defined as the average of the 09:00-h, 11:00-h values at both eligibility visits for 09:00-h, 11:00-h calculations, respectively

BBFC, brinzolamide 1%/brimonidine 0.2% fixed-dose combination; N, total number of patients; PGA, prostaglandin analog; SD, standard deviation.

^bBaseline is defined as the average of the 09:00-h and 11:00-h values at both eligibility visits

At each time point, only subjects with a value at both baseline and that time point are included in the calculation of change

Supplementary Table 3: Treatment-related AEs (safety set)

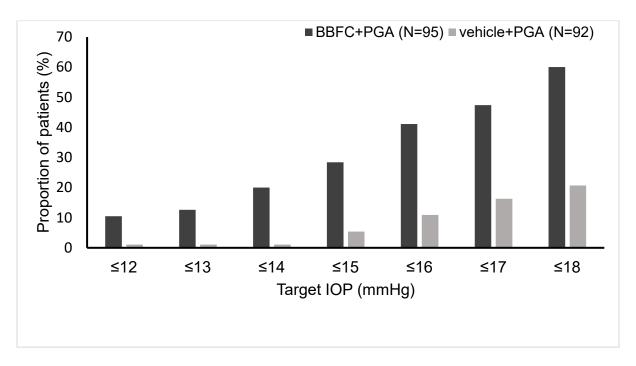
Duefermed to me	BBFC+PGA	Vehicle+PGA N=92 4 (4.3)	
Preferred term	N=95		
Any event, n (%)	22 (23.2)		
Dry mouth	5 (5.3)	0 (0.0)	
Conjunctival hyperemia*	4 (4.2)	1 (1.1)	
Ocular hyperemia*	4 (4.2)	0 (0.0)	
Eye irritation	3 (3.2)	0 (0.0)	
Ocular discomfort	3 (3.2)	0 (0.0)	
Vision blurred	2 (2.1)	2 (2.2)	
Dry eye	2 (2.1)	0 (0.0)	
Fatigue	2 (2.1)	0 (0.0)	
Eye allergy	1 (1.1)	1 (1.1)	
Blepharitis	1 (1.1)	0 (0.0)	
Conjunctivitis allergic	1 (1.1)	0 (0.0)	
Eye pruritus	1 (1.1)	0 (0.0)	
Eyelid edema	1 (1.1)	0 (0.0)	
Punctate keratitis	1 (1.1)	0 (0.0)	
Dizziness	1 (1.1)	0 (0.0)	
Dysgeusia	1 (1.1)	0 (0.0)	
Headache	1 (1.1)	0 (0.0)	
Lacrimation increased	0 (0.0)	1 (1.1)	

The AEs are arranged in decreasing order of incidence in the BBFC+PGA group

AE, adverse event; BBFC, brinzolamide 1%/brimonidine 0.2% fixed-dose combination; N, total number of patients; PGA, prostaglandin analog

^{*}Based on the judgement of the investigator

Supplementary Figure 1. Percentage of patients reaching IOP (mmHg) target at Week 6 (full analysis set)



IOP target categories are cumulative BBFC, brinzolamide 1%/brimonidine 0.2% fixed-dose combination; IOP, intraocular pressure; N, total number of patients; PGA, prostaglandin analog