

In vitro:^{1,2}
Potent against common NS3 polymorphisms (eg, positions 80, 155, and 168) and NS5A polymorphisms (eg, positions 28, 30, 31 and 93)
Additive/synergistic antiviral activity

Clinical PK & metabolism:
Once-daily oral dosing
Minimal metabolism and primary biliary excretion
Negligible renal excretion (<1%)

GiP is coformulated and dosed once daily as three 100 mg/40 mg pills for a total dose of 300 mg/120 mg Glecaprevir was identified by AbbVie and Enanta 1. Ng TI, et al. Abstract 636. CROI, 2014. 2. Ng TI, et al. Abstract 639. CROI, 2014. 2. Wrde D, et al. 67th AASLD: Boston. MX: November 11-15, 2016. Abst. 113.



Baseline Demographics and Clinical Characteristics

| | 1:1 Randomized | | | |
|---|--|--|--|--|
| Characteristic | Treatment Experienced – Cirrhosis 12 Weeks N = 22 | Treatment Experienced – Cirrhosis 16 Weeks N = 22 | Treatment Naïve + Cirrhosis 12 Weeks N = 40 | Treatment Experienced + Cirrhosis 16 Weeks N = 47 |
| Male, n (%) | 14 (64) | 14 (64) | 24 (60) | 36 (77) |
| White race, n (%) | 17 (77) | 20 (91) | 37 (93) | 42 (89) |
| Age, median years (range) | 56 (35 – 68) | 59 (29 – 66) | 56 (36 - 70) | 59 (47 – 70) |
| BMI, median kg/m ² (range) | 26 (19 – 42) | 28 (22 – 48) | 29 (21 – 51) | 27 (21 – 42) |
| IL28B non-CC genotype, n (%) | 15 (68) | 19 (86) | 20 (50) | 34 (72) |
| HCV RNA, median log ₁₀ IU/mL (range) | 6.6 (5.1 – 7.5) | 6.1 (4.7 – 7.3) | 6.2 (4.2 – 7.1) | 6.5 (4.6 - 7.2) |
| HCV RNA ≥6,000,000 IU/mL, n (%) | 9 (41) | 7 (32) | 4 (10) | 10 (21) |
| Prior treatment history, n (%) | | | | |
| Naïve | 0 | 0 | 40 (100) | 0 |
| IFN/pegIFN ± RBV | 14 (64) | 13 (59) | 0 | 22 (47) |
| SOF + RBV ± pegIFN | 8 (36) | 9 (41) | 0 | 25 (53) |
| Baseline Fibrosis Stage*, n (%) | | | | |
| F0-F1 | 11 (50) | 15 (68) | 0 | 0 |
| F2 | 4 (18) | 2 (9) | 0 | 0 |
| F3 | 7 (32) | 5 (23) | 0 | 0 |
| F4 | 0 | 0 | 40 (100) | 47 (100) |

BMI, body mass index; GIP, coformulated glecaprevir and pibrentasvir; HCV, hepatitis C virus; IFN, interferon; IL28B, interleukin 28; NS, non-structural protein; pegIFN, pegylated interferon; SOF, sofosbuvir *Data missing for 1 patient in Arm A (column 1) and 1 patient in Arm B (column 3)

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Baseline Polymorphisms

| Baseline Polymorphism, n (%) | Treatment Experienced – Cirrhosis 12 Weeks N = 22 | Treatment Experienced – Cirrhosis 16 Weeks N = 21 | Treatment Naïve + Cirrhosis 12 Weeks N = 39 | Treatment Experienced + Cirrhosis 16 Weeks N = 47 |
|---------------------------------|--|--|--|--|
| None | 16 (73) | 18 (86) | 29 (74) | 40 (85) |
| NS3 only | 0 | 0 | 1 (3) | 1 (2) |
| NS5A only | 6 (27) | 3 (14) | 9 (23) | 6 (13) |
| Both NS3 and NS5A | 0 | 0 | 0 | 0 |

*Baseline polymorphisms detected at 15% next-generation sequencing threshold only within samples that had sequences available for both targets at key amino acid positions: NS3: 155, 156, 168 NS5A: 24, 28, 30, 31, 58, 92, 93

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Virologic Failure: Patient Details

| Characteris | stic | Patient A | Patient B | Patient C | Patient D | Patient E |
|---|-----------------------|-----------|------------|-------------|------------|--------------|
| SURVEYOF | R-II Treatment | 12 weeks | 12 weeks | 16 weeks | 16 weeks | 16 weeks |
| Virologic Fa | ilure | Relapse | Relapse | Relapse | Relapse | BT |
| Compensat | ed Cirrhosis. | No | No | No | Yes | Yes |
| Prior Treatm | nent Experience | Yes | Yes | Yes | Yes | Yes |
| Fibrosis Sta | ige | F1-F2 | F2 | F0-F1 | F4 | F4 |
| Baseline HC | CV RNA, IU/mL | 8,140,000 | 9,410,000 | 18,900,000 | 2,840,000 | 17,400,000 |
| Treatment C | Compliance | Yes | Yes | Yes | Yes | NA* |
| Sequence / | Analysis [†] | Patient A | Patient B | Patient C | Patient D | Patient E |
| | Baseline | None | None | None | None | A166S |
| NS3 | Failure | None | None | Y56H, Q168R | None | A156G, A166S |
| | Baseline | Y93H | A30K | A30K | None | None |
| | | | | | | ADDIC MODUL |
| NS5A | Failure | Y93H | A30K, Y93H | A30K, Y93H | L31F, 193H | A30K, 193H |
| NS5A BT, breakthrough NA, not available; *Patient E | Failure | Y93H | A30K, Y93H | A30K, Y93H | | A30K, 193H |

NS3: 36, 43, 54, 55, 56, 80, 155, 156, 166, a NS5A: 24, 28, 29, 30, 31, 32, 58, 92, and 93

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Abstract LB-15





SURVEYOR-II, Part 4: Characteristics of Patients with Virologic Failure

| | Patient A [*] | Patient B |
|---|-------------------------------|--------------------------------|
| Time of Failure | Relapse post-treatment Day 29 | Relapse, post-treatment Day 55 |
| Age/Race/Gender | 56-year-old white female | 55-year-old white male |
| Genotype/Subtype | GT2a | GT2a |
| IL28B Genotype | C/C | C/T |
| Fibrosis Stage | F0–F1 | F3 |
| Baseline Viral Load | 5 120 000 IU/mL | 11 700 000 IU/mL |
| Prior Treatment Exposure | Experienced | Experienced |
| Treatment Compliant | Yes | Yes |
| Treatment Compliant ^t | Yes | Yes |
| Treatment-emergent substitutions at time of failure | | |
| NS3 | None | None |
| NS5A | None | None |
| | | |

*Patient had a medical history of gastric bypass. Exposure of GLE on Day 1 and Week 4 was >75% lower than the men in patients in the same treatment arm; exposure of PIB was comparable to the other patients in the cohort. I Measured as the percentage of tables taken relative to the total tablets expected to be taken during the treatment period; compliance achieved if percentage was 280%.

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Abstract LB-11

EXPEDITION-IV: Safety and Efficacy of GLE/PIB in Adults with Renal Impairment and Chronic Hepatitis C Virus Genotype 1 – 6 Infection

EXPEDITION-4: Objective and Study Design



Objective

• Determine the efficacy and safety of pangenotypic G/P for 12 weeks in patients with HCV GT1-6 and stage 4 or 5 chronic kidney disease (CKD)

Endpoints

- Efficacy: SVR12 defined as HCV RNA below the lower limit of quantification (LLOQ; 15 IU/mL)
- · Safety: Adverse events (AEs) and laboratory abnormalities

G/P is coformulated and dosed once daily as three 100 mg/40 mg pills for a total dose of 300 mg/120 mg Gane E, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. LB-11.

EXPEDITION-IV: Baseline Characteristics

| Characteristic | G/P N = 104 | |
|--|-----------------|--|
| Male, n (%) | 79 (76) | |
| Black race, n (%) | 26 (25) | |
| Age, median years (range) | 57 (28 – 83) | |
| BMI, median kg/m² (range) | 26 (18 – 45) | |
| <i>IL28B</i> non-CC genotype, n (%) | 80 (77) | |
| HCV RNA, median log ₁₀ IU/mL (range) | 5.9 (3.4 – 7.5) | |
| Concomitant PPI use, n (%) | 43 (41) | |
| Patients were enrolled across 9 countries: Australia, Belgium, Canada, France, Greece, | | |

BMI, body mass index; CrCI, creatinine clearance; eGFR, estimated giomerular filtration rate; G/P, coformulated giecaprevir/pibrentasvir; HCV, hepatitis C virus; IL28B, interleukin 288; PPI, proton pump inhibitor Gane E, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. LB-11.

EXPEDITION-IV: Baseline Demographics and Clinical Characteristics

| Characteristic | G/P N = 104 | Characteristic, (n%) | G/P N = 104 | | |
|---------------------------------------|-----------------|----------------------------------|---|--|--|
| Male, n (%) | 70 (70) | HCV genotype | | | |
| | 79 (76) | 1a / 1b / other | 23 (22) / 29 (28) / 2 (2) | | |
| | | 2 17 (16) | | | |
| Black race, n (%) | 26 (25) | 3 | 11 (11) | | |
| | | 4/5/6 | 20 (19) / 1 (1) / 1 (1) | | |
| Age, median years (range) | 57 (28 – 83) | Prior treatment history | | | |
| | | Naïve | 60 (58) | | |
| BMI, median kg/m ² (range) | 26 (18 – 45) | IFN/pegIFN ± RBV 42 (40) | 42 (40) | | |
| , | () | SOF + RBV ± pegIFN | 2 (2) | | |
| $"$ 39B rop CC gapatype $p(\theta)$ | 80 (77) | Compensated cirrhosis | | | |
| IL20B IIOI-CC genotype, it (70) | 00(77) | Yes | 20 (19) | | |
| HCV RNA median log a IU/ml | / / | Νο | 84 (81) | | |
| (range) | 5.9 (3.4 – 7.5) | CKD stage | | | |
| | | Stage 4 13 (12) | 13 (12) | | |
| Concomitant PPI use (%) | 43 (41) | Stage 5 | N = 104 23 (22) / 29 (28) / 2 (2) 17 (16) 11 (11) 20 (19) / 1 (1) / 1 (1) 60 (58) 42 (40) 2 (2) 20 (19) 84 (81) 13 (12) 91 (88) 85 (82) | | |
| | | Hemodialysis | 85 (82) | | |

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EXPEDITION-IV: Post-Baseline Laboratory Abnormalities

| Event, n (%) | G/P N = 104 |
|---|----------------|
| Hemoglobin Grade ≥3 (<8.0 – 6.5 g/dL) | 5 (5) |
| AST Grade ≥2 (>3 – 20 x ULN) | 0 |
| ALT Grade ≥2 (>3 – 20 x ULN) | 0 |
| Total bilirubin Grade ≥3 (>3 – 10 x ULN) | 1 (1) |
| | |

Grade 3 or higher laboratory abnormalities were rare

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