# **P-05 Results From the Phase 1 Study of the Novel BCL2 Inhibitor** Sonrotoclax in Combination With Zanubrutinib for Relapsed/ **Refractory CLL/SLL Show Deep and Durable Responses**

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## INTRODUCTION

- CLL/SLL remains incurable as many treated patients experience relapse,<sup>1</sup> necessitating further treatment with novel agents
- Sonrotoclax (BGB-11417), a next-generation BCL2 inhibitor, is a more selective and pharmacologically potent inhibitor of BCL2 than venetoclax with a shorter half-life and no drug accumulation<sup>2</sup>
- Zanubrutinib is a next-generation BTK inhibitor approved globally for 5 indications, including CLL<sup>3,4</sup>
  - Zanubrutinib has shown superior PFS and safety/tolerability compared with ibrutinib, including fewer cardiac AEs, in patients with R/R CLL/SLL<sup>5</sup>
- Here, updated safety and efficacy data are presented for patients with R/R CLL/SLL treated with sonrotoclax + zanubrutinib in the ongoing BGB-11417-101 study (NCT04277637)

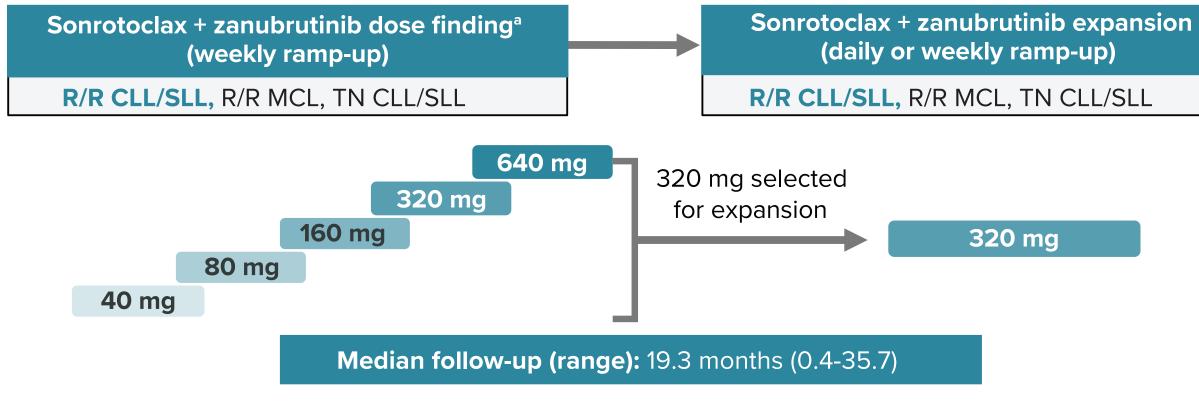
# CONCLUSIONS

- Sonrotoclax + zanubrutinib combination treatment had a tolerable safety profile in patients with R/R CLL/SLL at all dose levels tested up to 640 mg
- 46/47 of patients remain on study treatment with a median follow-up of 19.3 months
- No TLS and no cardiac toxicity, including atrial fibrillation, were observed
- The most commonly reported hematologic TEAE was neutropenia, which was mostly transitory, with no cases of febrile neutropenia, and did not require sonrotoclax dose reductions
- Efficacy was promising in this R/R CLL/SLL population, including patients with high-risk features
- The combination of sonrotoclax + zanubrutinib demonstrated a 97% ORR, with a CR/CRi rate of 57% across all dose levels and 100% ORR with a CR/CRi rate of 73% at 320 mg

# METHODS

- BGB-11417-101 is a global phase 1/1b study evaluating sonrotoclax as monotherapy, or in combination ± zanubrutinib, and ± obinutuzumab in patients with B-cell malignancies (Figure 1)
- The primary endpoints were safety per CTCAE v5.0, MTD, and RP2D
- Treatment consisted of 8-12 weeks of zanubrutinib lead-in (320 mg QD or 160 mg BID), then in combination with sonrotoclax (with weekly or daily ramp-up to target dose) until PD

Figure 1. BGB-11417-101 Study Design



<sup>a</sup> The safety monitoring committee reviewed dose-level cohort data before dose escalation

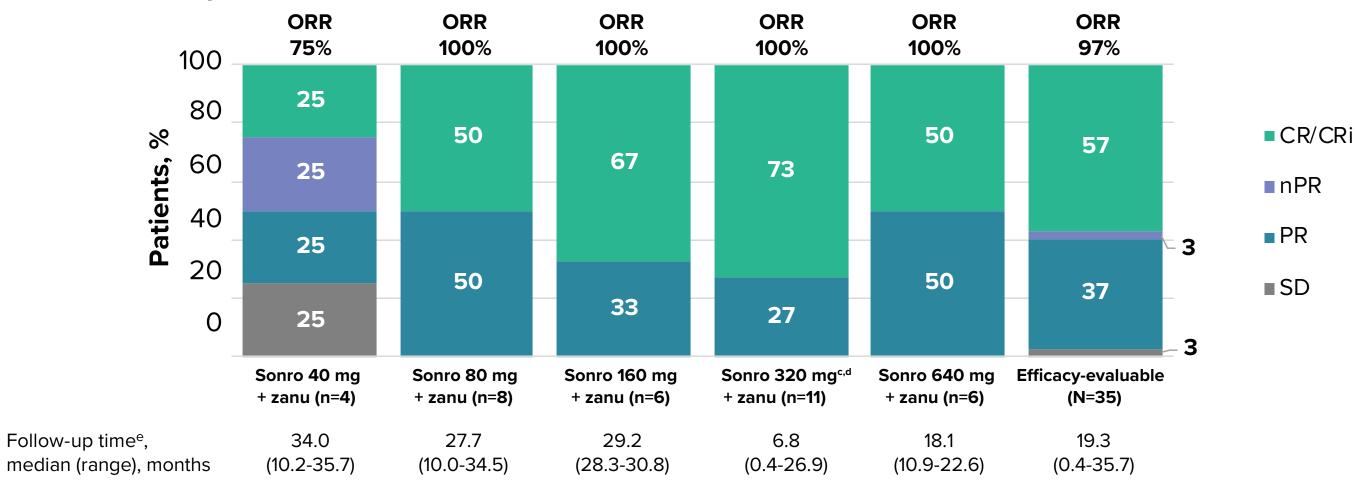
### RESULTS

#### **Table 1. Baseline Patient Characteristics**

Characteristic	Sonro 40 mg + zanu (n=4)	Sonro 80 mg + zanu (n=9)	Sonro 160 mg + zanu (n=6)	Sonro 320 mg + zanu (n=22)	Sonro 640 mg + zanu (n=6)	All (N=47)
Study follow-up, median (range), months	34.0 (10.2-35.7)	27.7 (10.0-34.5)	29.2 (28.3-30.8)	6.8 (0.4-26.9)	18.1 (10.9-22.6)	19.3 (0.4-35.7)
Age, median (range), years	60 (50-71)	62 (55-75)	62 (41-76)	67 (36-76)	60 (53-69)	65 (36-76)
Male sex, n (%)	4 (100)	8 (89)	3 (50)	18 (82)	2 (33)	35 (75)
ECOG PS, n (%)						

- Responses deepened over time with high blood MRD negativity observed by week 48 of combination therapy
- At 19.3 months of median study follow-up, only 1 PFS event occurred in the lowest tested dose (40 mg)
- Follow up is ongoing with this promising combination therapy
- With a median study follow-up of 19.3 months, the ORR was 97%, with a 57% CR/CRi rate across all doses (**Figure 3**)
  - In the 320 mg cohort, the ORR was 100%, with a 73% CR/CRi rate
- The median time to CR or CRi was 9.8 months (range, 5.3-22.8 months)
- Of 6 evaluable patients with prior BTK inhibitor therapy, 4 achieved PR and 1 achieved CR

#### Figure 3. Overall Response Rates<sup>a,b</sup>



<sup>a</sup> Responses were assessed per 2008 iwCLL criteria and percentage of response is based on number of patients who had at least 1 post-baseline tumor assessment after dosing sonrotoclax. <sup>b</sup> ORR was defined as PR-L or better. <sup>c</sup> One patient achieved CRi. <sup>d</sup> 1 patient previously exposed to venetoclax was included and achieved CR. <sup>e</sup> For all patients as treated (n=47).

- Of 33 MRD-evaluable patients, 28 (85%) had uMRD at time of data cutoff (Figure 4)
- Data shows evidence of responses deepening over time
- All patients in the 160 mg, 320 mg, and 640 mg cohorts who reached week 48 achieved uMRD

#### Figure 4. Best MRD in Peripheral Blood

Best MRD <sup>a</sup>	Best MRD <sup>a</sup>	Overall
by Week 24 <sup>b</sup>	by Wook 18 <sup>b</sup>	Roct MDDa

0	4 (100)	5 (56)	4 (67)	11 (50)	4 (67)	28 (60)
1	0	3 (33)	2 (33)	10 (46)	2 (33)	17 (36)
Risk status, n/tested (%)ª						
del(17p)	3/4 (75)	4/8 (50)	1/6 (17)	3/18 (17)	0	11/42 (26)
del(17p) and/or <i>TP53</i> mutation	3/4 (75)	7/9 (78)	2/6 (33)	13/22 (59)	0	25/47 (53)
IGHV status, n/tested (%)						
Unmutated	1/3 (33)	6/6 (100)	3/6 (50)	3/4 (75)	0	13/19 (68)
Prior therapy						
No. of lines of prior therapy, median (range)	1.5 (1-2)	1 (1-2)	1 (1-2)	1 (1-3)	1 (1-1)	1 (1-3)
Prior BTK inhibitor, n (%) <sup>b</sup>	1 (25)	1 (11)	1 (17)	3 (14)	1 (17)	7 (15)
Prior BTK inhibitor duration, median (range), months	86.6 (86.6-86.6)	1.6 (1.6-1.6)	18.5 (18.5-18.5)	38.1 (34.2-49.1)	24.0 (24.0-24.0)	34.2 (1.6-86.6)

Data cutoff: February 4, 2024.

<sup>a</sup> *TP53* mutations defined as >0.1% variant allele frequency. <sup>b</sup> BTK inhibitor was the last prior therapy for 7 patients: all discontinued due to toxicity.

- No DLTs occurred and MTD was not reached; the 320 mg sonrotoclax + zanubrutinib cohort was expanded as RP2D
- Sonrotoclax in combination with zanubrutinib was well tolerated, with very low rates of treatment discontinuation and dose reductions; no deaths were observed (Table 2)

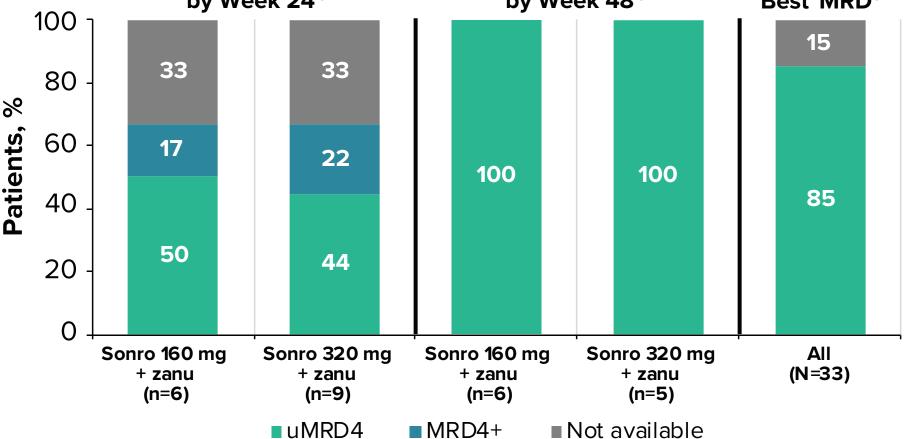
#### Table 2. TEAE Summary

Patients, n (%)	Sonro 40 mg + zanu (n=4)	Sonro 80 mg + zanu (n=9)	Sonro 160 mg + zanu (n=6)	Sonro 320 mg + zanu (n=22)	Sonro 640 mg + zanu (n=6)	All (N=47)
Any TEAEs	4 (100)	9 (100)	6 (100)	20 (91)	5 (83)	44 (94)
Grade ≥3	1 (25)	5 (56)	3 (50)	13 (59)	2 (33)	24 (51)
Serious TEAEs	1 (25)	1 (11)	3 (50)	7 (32)	1 (17)	13 (28)
Led to zanu discontinuation	0	<b>1 (11)</b> a	0	0	1 (17) <sup>c</sup>	2 (4)
Led to zanu dose reduction	0	0	0	<b>1 (4.5)</b> <sup>b</sup>	0	1 (2)
Treated with sonro, n (%)	4 (100)	9 (100)	6 (100)	19 (86) <sup>d</sup>	6 (100)	44 (94)
TEAEs leading to sonro discontinuation	0	0	0	0	<b>1 (17)</b> <sup>c</sup>	1 (2)
TEAEs leading to sonro dose reduction	0	0	0	0	0	0

<sup>a</sup> Grade is listed as worst grade experienced by patient on any drug. <sup>b</sup> Hematologic AEs were graded per iwCLL criteria; nonhematologic AEs were graded per CTCAE v5.0 criteria. <sup>c</sup> Neutropenia combines preferred terms *neutrophil count decreased* and *neutropenia*. <sup>d</sup> Thrombocytopenia combines preferred terms *platelet count decreased* and *thrombocytopenia*.

TEAEs observed with sonrotoclax + zanubrutinib were mostly low grade and transient (Figure 2)

No cases of TLS, atrial fibrillation, or febrile neutropenia occurred

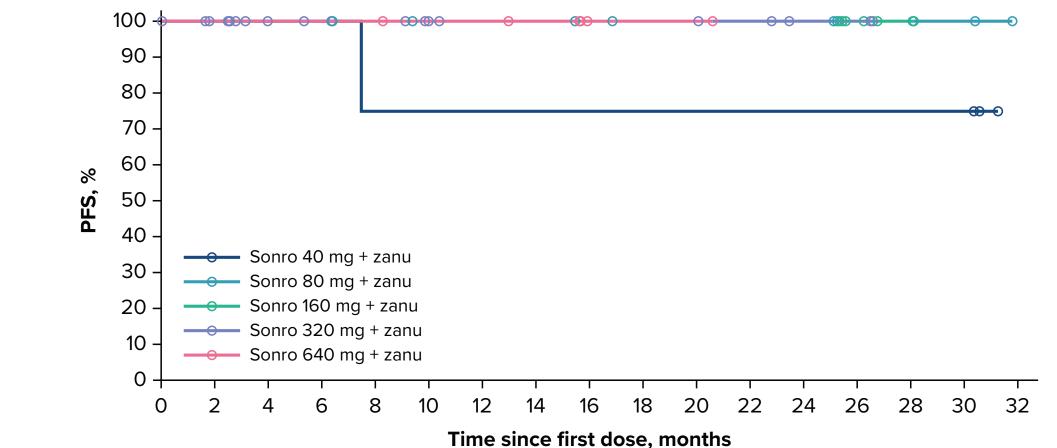


#### Data cutoff: February 18, 2024.

<sup>a</sup> Measured by an ERIC-approved flow cytometry method with 10<sup>-4</sup> sensitivity. uMRD4 defined as <10<sup>-4</sup> CLL cells of total WBCs. MRD4+ defined as  $\geq$ 10<sup>-4</sup> CLL cells of total WBCs. MRD is best reported within a 2-week window following the week 24/week 48 day 1 MRD assessments. <sup>b</sup> Week 24 or 48 of treatment at target dose, following zanubrutinib monotherapy and sonrotoclax ramp-up to target dose.

• With a median study follow-up of 19.3 months, only 1 PFS event occurred in the 40 mg cohort (Figure 5)

#### **Figure 5. Progression-Free Survival**

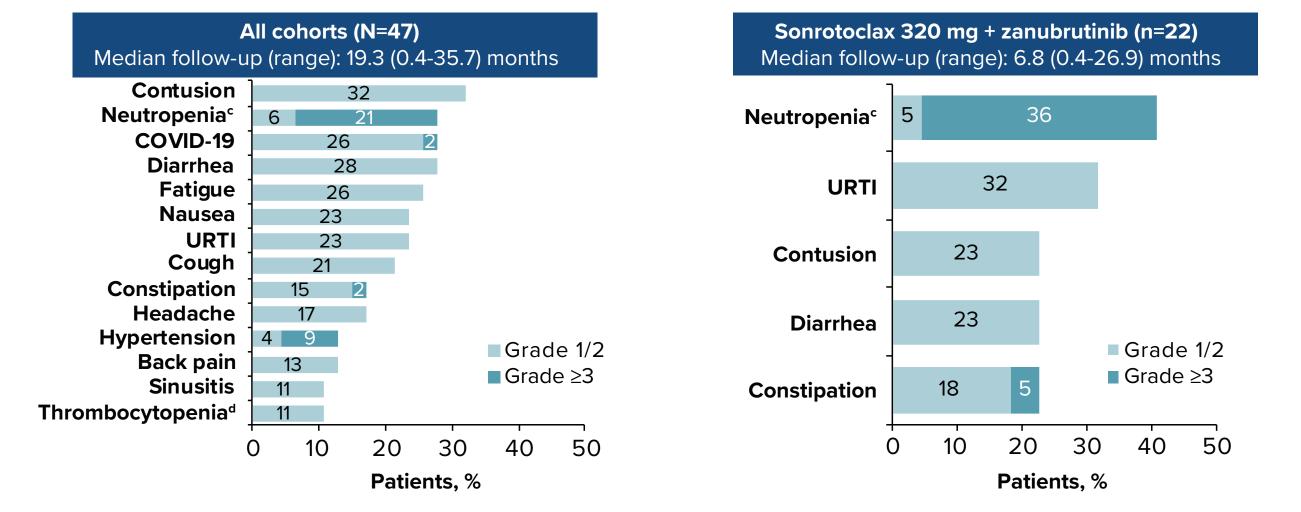


#### No. of patients at risk

Sonro 40 mg + zanu 4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	С
<b>Sonro 80 mg + zanu</b> 9	9	9	9	9	9	9	8	8	8	7	7	7	7	7	7	6	5	5	5	5	5	5	5	5	5	3	3	3	2	2	1	0
<b>Sonro 160 mg + zanu</b> 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3	1	1	0	0	0	0

- No patients had dose reductions due to diarrhea

Figure 2. TEAEs in ≥5 Patients and at Sonrotoclax RP2D of 320 mg<sup>a,b</sup>



<sup>a</sup> Grade is listed as worst grade experienced by patient on any drug. <sup>b</sup> Hematologic AEs were graded per iwCLL criteria; nonhematologic AEs were graded per CTCAE v5.0 criteria. <sup>c</sup> Neutropenia combines preferred terms *neutrophil count decreased* and *neutropenia*. <sup>d</sup> Thrombocytopenia combines preferred terms *platelet count decreased* and *thrombocytopenia*.

**Sonro 320 mg + zanu** 22 19 17 13 11 11 10 9 9 9 6 5 5 5 5 5 5 5 5 5 5 4 4 3 2 2 2 0 0 0 0 0 0 

### REFERENCES

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### DISCLOSURES

4. Brukinsa. Summary of product characteristics. BeiGene, Ltd; 2021. 5. Brown JR, et al. N Engl J Med. 2023;388(4):319-332.

SL: Consulting or advisory role: BeiGene. SO: Consulting fees: AbbVie, Antengene, AstraZeneca, BeiGene, BMS, CSL Behring, Gilead, Merck, Novartis, Janssen, Roche, Takeda; Research funding: AbbVie, AstraZeneca, BeiGene, BMS, Gilead, Janssen, Merck, Novartis, Pharmacyclics, Roche, Takeda; Honoraria: AbbVie, AstraZeneca, BeiGene, BMS, Gilead, Janssen, Merck, Novartis, Roche, Takeda; Membership on an entity's board of directors or advisory committees: AbbVie, AstraZeneca, BeiGene, BMS, Gilead, Janssen, Merck, Novartis, Roche, Takeda outside the submitted work. MAA: Grants: NHMRC; Honoraria: Roche, Novartis, Takeda, CSL, Sanofi, Kite/Gilead, AbbVie, Janssen, BeiGene; Travel support: AbbVie; Advisory board: Sobi, AbbVie; Leadership: ALLG CLL Working Group Co Chair. AT: Consultancy: BeiGene, AstraZeneca, AbbVie, Janssen, Lilly; Speakers bureau: BeiGene, Janssen, AbbVie. EV: Research funding: Janssen Cilag Pty Ltd. ML: Travel, accommodations, expenses: Celgene. SS: Honoraria, consulting or advisory role, research funding, speakers bureau, and travel, accommodations, expenses: AbbVie, Amgen, AstraZeneca, BeiGene, BMS, Gilead, GSK, Roche, Janssen, Lilly, Novartis, Sunesis. PB: Honoraria: AbbVie; Member of the board of directors or advisory committee: MSD and Janssen. EGB: Honoraria: Janssen, AbbVie, Takeda, AstraZeneca, Lilly; Consulting or advisory role: Janssen, AbbVie, Kiowa, BeiGene, Sobi; Travel, accommodations, expenses: Janssen, AbbVie, AstraZeneca. MS: Consultancy: AbbVie, Genentech, AstraZeneca, Genmab, Janssen, BeiGene, BMS, MorphoSys/Incyte, Kite Pharma, Lilly, Fate Therapeutics, Nurix, Merck; Research funding: Mustang Bio, Genentech, AbbVie, BeiGene, AstraZeneca, Genmab, MorphoSys/Incyte, Vincerx; Stock options: Koi Biotherapeutics; Employment: BMS (spouse). HE: Consultancy, research funding, honoraria, speakers bureau: AbbVie/Pharmacyclics, BeiGene, Genentech, Incyte, MorphoSys; Research funding: AstraZeneca, Atara, BMS, Gilead/Kite, Juno. SM: Consultancy, membership on an entity's board of directors or advisory committee, research funding, and/or speakers bureau: AstraZeneca, BeiGene, Lilly/Loxo Oncology, Janssen Pharmaceuticals, Juno/BMS, AbbVie, Genentech. YF, JH, SP: Current employment and current equity holder in publicly traded company: BeiGene. WD: Research funding: BeiGene; Grants: Merck, AstraZeneca, DTRM Pharma, Octapharma, BeiGene; Advisory board: Kite Pharma; Employee: BeiGene. HG: Current employment and current equity holder in publicly traded company, travel accommodations, leadership: BeiGene. CST: Research funding: Janssen, AbbVie, BeiGene; Honoraria: Janssen, AbbVie, BeiGene, Loxo, AstraZeneca. AA, JZH, DW: Nothing to disclose.

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