

Updated Safety & Antileukemic Activity Data of Sonrotoclax (BGB-11417), a Potent and Selective BCL2 Inhibitor, in Treatment-Naïve Patients With Acute Myeloid Leukemia Unfit for Intensive Chemotherapy

PF477

Jake Shortt,¹ Chun Yew Fong,² Sophie Leitch,³ Guru Subramanian Guru Murthy,⁴ Shuh Ying Tan,⁵ Xiaojun Huang,⁶ Pau Montesinos,⁷ Uwe Platzbecker,⁸ Courtney DiNardo,⁹ Si Cheng,¹⁰ Vaibhav Mundra,¹¹ Rui Li,¹⁰ Yu Liu,¹² Oleg Zernovak,¹¹ Amit Agarwal,¹¹ Andrew H. Wei¹³

¹Monash Health and Monash University, Clayton, VIC, Australia; ²Austin Health, Melbourne, VIC, Australia; ³Te Whatu Ora, Health New Zealand, Waitemata, Auckland, New Zealand; ⁴Medical College of Wisconsin, Milwaukee, WI, USA; ⁵St Vincent’s Hospital, Melbourne, VIC, Australia; ⁶Peking University People’s Hospital, Beijing, China; ⁷Hospital Universitari I Politècnic La Fe, Valencia, Spain; ⁸Universitaetsklinikum Leipzig AöR, Leipzig, Germany; ⁹MD Anderson Cancer Center, Houston, TX, USA; ¹⁰BeOne Medicines Ltd, Shanghai, China; ¹¹BeOne Medicines Ltd, San Carlos, CA, USA; ¹²BeOne Medicines Ltd, Beijing, China; ¹³Peter MacCallum Cancer Centre, Royal Melbourne Hospital, Melbourne, VIC, Australia

CONCLUSIONS

- Sonrotoclax + azacitidine combination treatment was generally well tolerated and demonstrated antileukemic activity in patients with TN unfit AML across all dose cohorts
 - DLTs occurred in four patients (grade 4 neutropenia, n=1; grade 4 thrombocytopenia, n=4)
 - The ORR was 74.7%; CR was achieved by 50.6% and CR/CRh by 59.5%
- The safety stopping criteria have not been met in any of the dose cohorts
 - Shorter sonrotoclax + azacitidine treatment schedules (<21 d) were well tolerated with a median RDI of >80%
- Exploratory exposure-response analysis in 14-d cohorts showed that antileukemic activity at exposures associated with an 80-mg dose was ≈2-fold lower than exposures associated with 160-mg or 320-mg dose
- Follow-up evaluation of 14-d dosing cohorts is ongoing in 80-mg, 160-mg, and 320-mg cohorts to determine the recommended phase 2 dose
- Data for patients with relapsed/refractory AML in this study are presented in poster PF491

INTRODUCTION

- Acute myeloid leukemia (AML), the most common acute form of leukemia in adults, has an aggressive disease course.^{1,2}
- Combination treatment with venetoclax, a B-cell lymphoma 2 (BCL2) inhibitor, and azacitidine has improved outcomes in treatment-naïve patients with AML unfit for intensive chemotherapy (TN AML)³; however, relapse is common, and prognosis is suboptimal.^{4,5}
- 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 accumulation⁶
- Updated safety and antileukemic activity data of sonrotoclax + azacitidine in TN AML from the phase 1b part of the BGB-11417-103 study are presented

METHODS

- BGB-11417-103 (NCT04771130) is an ongoing, phase 1b/2, global, dose-finding and -expansion study evaluating the safety and antileukemic activity of sonrotoclax + azacitidine in patients with AML, myelodysplastic syndromes (MDS), or MDS/myeloproliferative neoplasms (Figure 1)

Figure 1. BGB-11417-103 Study Design

