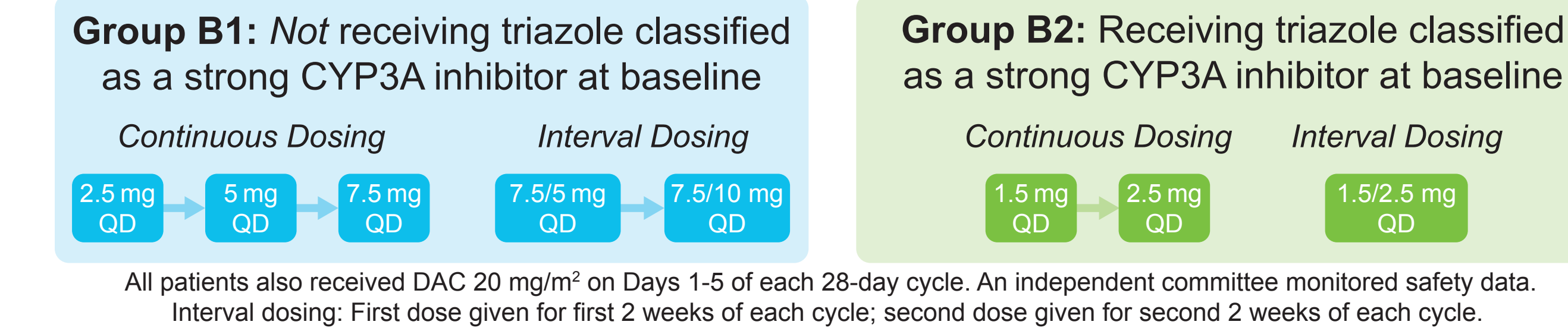


Introduction

- FHD-286 is a potent dual inhibitor of SMARCA2 and SMARCA4 (BRG1 and BRM), key dependencies in myeloid malignancies.
- FHD-286 induced myeloid differentiation and antileukemic activity as monotherapy in pts with R/R AML or MDS.¹
- Nonclinical studies suggesting enhanced antitumor activity in combination with DAC supported evaluating FHD-286+DAC.
- Study FHD-286-C-002 (NCT04891757) is a multicenter, open-label, Phase 1 dose escalation trial of FHD-286+DAC in pts with R/R myeloid malignancies.
- All pts signed informed consent; study has concluded.

Study Design



Endpoints: Safety, tolerability, DLTs, PK, PD, preliminary clinical activity

Key Eligibility Criteria: R/R AML, R/R MDS, or R/R CMML; ≤4 prior lines of systemic therapy; appropriate candidate for treatment with DAC

Dose Assignment: Separate groups based on whether pts were taking (Group B2) or not taking (Group B1) a triazole antifungal classified as a strong CYP3A inhibitor at baseline

Results

Baseline Demographics and Disease Characteristics

- Demographics and disease characteristics were similar in Groups B1 and B2.

Patient Disposition

- Most common reason for study discontinuation was death (34 [72%] pts).
- In Group B1, duration of exposure to FHD-286 was longer at lower dose levels.

Safety

- FHD-286 was better tolerated among pts in Group B1 than B2, with fewer treatment discontinuations, fewer DLTs, and higher doses tested.
- The highest dose cleared was 7.5 mg QD in B1, and 1.5 mg QD in B2.
- The number of pts with investigator-reported DS was similar in Groups B1 (4 pts) and B2 (5 pts) and DS was Grade 3 in 4 of these 9 pts. DS was managed with standard supportive measures.

Plasma Pharmacokinetics

- FHD-286 exposure increased with increasing dose.
- FHD-286 is estimated to have a long half-life (> 24 h).
- Accumulation was observed at all doses.

- Among pts treated at 2.5 mg QD, FHD-286 exposure at steady state was ~3-fold higher in Group B2 than B1.

Clinical Activity

- ORR: 13% (6/47)
 - » CRp: 4% (2/47; AML; Group B1)
 - » MLFS: 6% (3/47; AML; 1 in Group B1, 2 in Group B2)
 - » PR: 2% (1/47; MDS; Group B1)
- Median DoR: 1.99 mos (95% CI 1.28, NE)
- Median EFS: 1.68 mos (95% CI 1.12, 1.94)
- Median OS: 3.68 mos (95% CI 1.94, 5.49)

Pharmacodynamics

- In keeping with the differentiation mechanism of FHD-286, dose-dependent increases in CD11b and decreases in CD34 were observed in bone marrow blasts by flow cytometry.

Baseline Demographics and Disease Characteristics

Parameter	FHD-286 Group and Dose Level (mg QD, in combination with DAC 20 mg/m ² QD Days 1-5)											
	Group B1					Group B2					B1 + B2 Overall (N=47)	
	2.5 (N=7)	5 (N=6)	7.5 (N=6)	7.5/5 (N=3)	7.5/10 (N=6)	Total B1 (N=28)	1.5 (N=4)	1.5/2.5 (N=4)	2.5 (N=11)	Total B2 (N=19)		
Age (years), median (min, max)	78 (27, 84)	52 (23, 77)	69 (32, 80)	56 (30, 70)	69 (66, 74)	67 (23, 84)	41 (19, 71)	64 (41, 81)	67 (35, 81)	65 (19, 81)	66 (19, 84)	
Sex, n (%)	Male 4 (57)	3 (50)	2 (33)	2 (67)	2 (33)	13 (46)	2 (50)	2 (50)	6 (55)	10 (53)	23 (49)	
ECOG PS, n (%)	0 or 1 2	5 (71) 2 (29)	4 (67) 2 (33)	4 (67) 2 (33)	2 (67) 1 (33)	5 (83) 1 (17)	20 (71) 8 (29)	3 (75) 1 (25)	6 (55) 5 (46)	13 (68) 6 (32)	33 (70) 14 (30)	
Diagnosis, n (%)	AML MDS CMML	6 (86) 1 (14) 0	6 (100) 0 0	4 (67) 1 (17) 0	3 (100) 0 0	5 (83) 1 (17) 0	24 (86) 3 (11) 0	4 (100) 0 0	4 (100) 0 0	10 (51) 1 (5) 0	18 (95) 4 (9) 0	
Cytogenetic risk, n (%)	Favorable Intermediate Adverse Missing	0 0 5 (71) 2 (29)	1 (17) 0 4 (67) 1 (17)	0 2 (33) 4 (67) 0	1 (33) 1 (33) 0 1 (33)	0 3 (11) 5 (83) 1 (17)	2 (7) 3 (11) 18 (64) 5 (18)	0 0 4 (100) 0	0 4 (36) 3 (75) 1 (25)	0 4 (21) 14 (74) 1 (5)	2 (4) 7 (15) 32 (68) 6 (13)	
Mutational status*, n (%)	TP53 mutation Inv(3)/MECOM rearrangement KMT2A rearrangement NPM1 mutation FLT3 mutation	4 (57) 1 (14) 1 (14) 0 0	1 (17) 0 0 1 (17) 0	2 (33) 1 (17) 5 (83) 0 0	1 (33) 0 3 (100) 0 0	2 (33) 3 (50) 2 (67) 0 0	10 (36) 5 (18) 2 (7) 0 0	1 (25) 1 (25) 0 1 (25) 0	2 (18) 2 (18) 0 0 0	5 (26) 4 (21) 2 (11) 1 (5) 1 (5)	15 (32) 9 (19) 4 (9) 2 (4) 1 (2)	
Number of prior lines of systemic anticancer therapy, median (min, max)	2 (1, 5)	4 (1, 4)	2 (1, 5)	4 (3, 7)	2 (1, 4)	3 (1, 7)	5 (3, 6)	2 (1, 6)	3 (1, 9)	3 (1, 5)	3 (1, 9)	
Prior therapy, n (%)	Any HMA(s) Venetoclax Cytarabine-based HSCT Menin inhibitor	7 (100) 7 (100) 7 (100) 3 (43) 2 (29) 0	6 (100) 6 (100) 6 (100) 5 (83) 3 (50) 0	6 (100) 6 (100) 5 (83) 3 (50) 1 (17) 0	3 (100) 3 (100) 3 (100) 2 (67) 1 (33) 0	6 (100) 5 (83) 6 (100) 4 (67) 3 (100) 0	28 (100) 27 (96) 27 (96) 18 (64) 9 (32) 2 (7)	4 (100) 4 (100) 4 (100) 4 (100) 1 (25) 0	4 (100) 4 (100) 10 (91) 2 (18) 0 0	11 (100) 18 (95) 10 (91) 8 (73) 3 (27) 0	19 (100) 18 (95) 14 (74) 13 (68) 4 (21) 0	47 (100) 45 (96) 45 (96) 32 (68) 13 (28) 2 (4)

*KMT2A rearrangement: 19:11, KMT2A, and/or MLL abnormalities. TP53 mutation: TP53 mutation and/or del(17p).

Patient Disposition and Duration of Treatment

Parameter	FHD-286 Group and Dose Level (mg QD, in combination with DAC 20 mg/m ² QD Days 1-5)											
	Group B1					Group B2					B1 + B2 Overall (N=47)	
	2.5 (N=7)	5 (N=6)	7.5 (N=6)	7.5/5 (N=3)	7.5/10 (N=6)	Total B1 (N=28)	1.5 (N=4)	1.5/2.5 (N=4)	2.5 (N=11)	Total B2 (N=19)		
Duration of exposure (days), median (min, max)	70 (21, 161)	54 (18, 150)	31 (16, 170)	41 (1, 77)	18 (10, 98)	38 (1, 170)	35 (26, 153)	29 (25, 37)	26 (11, 56)	28 (11, 153)	30 (1, 170)	
Discontinued treatment (reason), n (%)	AE PD/TF Withdrawal of consent PI decision Clinical suspicion of PD Patient decision	7 (100) 1 (14) 3 (43) 1 (14) 1 (14) 0	6 (100) 2 (33) 2 (33) 0 1 (17) 0	6 (100) 2 (33) 1 (17) 0 0 0	3 (100) 2 (67) 0 0 0 1 (33)	6 (100) 3 (50) 1 (17) 2 (33) 0 0	28 (100) 8 (29) 7 (25) 3 (11) 2 (7) 2 (7)	4 (100) 2 (50) 1 (25) 1 (25) 0 0	4 (100) 2 (50) 2 (18) 2 (18) 0 0	11 (100) 5 (46) 3 (27) 2 (18) 1 (9) 1 (9)	19 (100) 9 (47) 8 (17) 5 (26) 1 (5) 0	47 (100) 17 (36) 19 (19) 8 (17) 3 (6) 2 (4)

Summary of TEAEs; TEAEs With Frequency >30%

Parameter, n (%)	FHD-286 Group and Dose Level (mg QD, in combination with DAC 20 mg/m ² QD Days 1-5)										
	Group B1					Group B2					B1 + B2 Overall (N=47)
	2.5 (N=7)	5 (N=6)	7.5 (N=6)	7.5/5 (N=3)	7.5/10 (N=6)	Total B1 (N=28)	1.5 (N=4)	1.5/2.5 (N=4)	2.5 (N=11)	Total B2 (N=19)	
Any TEAE	7 (100)	6 (100)	6 (100)	3 (100)	6 (100)	26 (100)	4 (100)	4 (100)	11 (100)	19 (100)	47 (100)
Hypokalemia	2 (29)	4 (67)	3 (50)	2 (67)	3 (50)	14 (50)	3 (75)	2 (50)	6 (55)	11 (58)	25 (53)
Fatigue	6 (86)	3 (50)	2 (33)	0	1 (17)	12 (43)	2 (50)	2 (50)	5 (46)	9 (47)	21 (45)
Decr WBC count	3 (43)	4 (67)	3 (50)	1 (33)	3 (50)	14 (50)	2 (50)	1 (25)	3 (27)	6 (32)	20 (43)
Dyspnea	3 (43)	1 (17)	4 (67)	0	3 (50)	11 (39)	3 (75)	2 (50)	4 (36)	9 (47)	20 (43)
Nausea/vomiting	5 (71)	3 (50)	3 (50)	1 (33)	2 (33)	14 (50)	1 (25)	2 (50)	3 (27)	6 (32)	20 (43)
Cough	2 (29)	0	3 (50)	2 (67)	3 (50)	10 (36)	3 (75)	1 (25)	4 (36)	8 (42)	18 (38)
Decr neutrophil count	4 (57)	3 (50)	3 (50)	1 (33)	3 (50)	14 (50)	1 (25)	1 (25)	1 (9)	3 (16)	17 (36)
Diarrhea	1 (14)	2 (33)	3 (50)	0	4 (67)	10 (36)	4 (100)	0	2 (18)	7 (37)	17 (36)
Incr blood glucose	2 (29)	1 (17)	4 (67)	0	3 (50)	10 (36)	1 (25)	3 (75)	3 (27)	7 (37)	17 (36)
Febrile neutropenia	2 (29)	2 (33)	2 (33)	2 (67)	2 (33)	10 (36)	2 (50)	3 (75)	1 (9)	6 (32)	16 (34)
Incr blood bilirubin	2 (29)	1 (17)	3 (50)	1 (33)	3 (50)	10 (36)	0	2 (50)	4 (36)	6 (32)	16 (34)
Pneumonia	3 (43)	2 (33)	4 (67)	1 (33)	1 (17)	11 (39)	1 (25)	0	4 (36)	5 (26)	16 (34)
Stomatitis	1 (14)	2 (33)	4 (67)	1 (33)	0	8 (29)	0	2 (50)	6 (55)	8 (42)	16 (34)
Anemia	5 (71)	2 (33)	2 (33)	1 (33)	2 (33)	12 (43)	0	0	3 (27)	3 (16)	15 (32)
Any treatment-related TEAE	6 (86)	3 (50)	5 (83)	1 (33)	3 (50)	18 (64)	2 (50)	3 (75)	8 (73)	13 (68)	31 (66)
Any SAE	7 (100)	5 (83)	6 (100)	3 (100)	6 (100)	27 (96)	4 (100)	4 (100)	10 (91)	18 (95)	45 (96)
Any treatment-related SAE	3 (43)	2 (33)	4 (67)	0	2 (33)	11 (39)	2 (50)	3 (75)	5 (46)	10 (53)	21 (45)
Any TEAE leading to FHD-286 reduction	0	1 (17)	0	0	1 (17)	2 (7)	0	0	0	0	2 (4)
Any TEAE leading to FHD-286 interruption	7 (100)	5 (83)	6 (100)	2 (67)	3 (50)	23 (82)	0	3 (75)	6 (55)	9 (47)	32 (68)
Any TEAE leading to FHD-286 discontinuation	1 (14)	0	2 (33)	2 (67)	4 (67)	9 (32)	2 (50)	2 (50)	3 (27)	7 (37)	16 (34)
Any AESI (DS)	1 (14)	0	1 (17)	0	2 (33)	4 (14)	2 (50)	1 (25)	2 (18)	5 (26)	9 (19)

Summary of Grade ≥3 TEAEs Occurring in ≥10% of Pts; DLTs; 30- & 60-Day Mortality

Parameter, n (%)	FHD-286 Group and Dose Level (mg QD, in combination with DAC 20 mg/m ² QD Days 1-5)										
	Group B1					Group B2					B1 + B2 Overall (N=47)
	2.5 (N=7)	5 (N=6)	7.5 (N=6)	7.5/5 (N=3)	7.5/10 (N=6)	Total B1 (N=28)	1.5 (N=4)	1.5/2.5 (N=4)	2.5 (N=11)	Total B2 (N=19)	
Any Grade ≥3 TEAE	7 (100)	6 (100)	6 (100)	3 (100)	6 (100)	28 (100)	4 (100)	4 (100)	11 (100)	19 (100)	47 (100)
Decr WBC count	3 (43)	4 (67)	3 (50)	1 (33)	3 (50)	14 (50)	2 (50)	1 (25)	3 (27)	6 (32)	20 (43)
Decr neutrophil count	4 (57)	3 (50)	3 (50)	1 (33)	3 (50)	14 (50)	1 (25)	1 (25)	1 (9)	3 (16)	17 (36)
Febrile neutropenia	2 (29)	2 (33)	2 (33)	2 (67)	2 (33)	10 (36)	2 (50)	3 (75)	1 (9)	6 (32)	16 (34)
Anemia	5 (71)	2 (33)	2 (33)	1 (33)	2 (33)	12 (43)	0	0	2 (18)	2 (11)	15 (32)
Decr PLT count	5 (71)	3 (50)	1 (17)	0	3 (50)	12 (43)	0	0	2 (18)	2 (11)	14 (30)
Pneumonia	3 (43)	1 (17)	2 (33)	1 (33)	1 (17)	8 (29)	0	0	4 (36)	4 (21)	12 (26)
Hypokalemia	0	2 (33)	2 (33)	1 (33)	1 (17)	6 (21)	3 (75)	1 (25)	1 (9)	5 (26)	11 (23)
Acute kidney injury	1 (14)	1 (17)	2 (33)	0	0	4 (14)	1 (25)	2 (50)	2 (18)	5 (26)	9 (19)
Hypoxia	0	0	2 (33)	1 (33)	0	3 (11)	0	2 (50)	3 (27)	5 (26)	8 (17)
Incr blood bilirubin	1 (14)	0	1 (17)	0	1 (17)	3 (11)	0	2 (50)	3 (27)	5 (26)	8 (17)
Sepsis	1 (14)	0	3 (50)	1 (33)	1 (17)	6 (21)	0	1 (25)	1 (9)	2 (11)	8 (17)
Hypotension	2 (29)	0	2 (33)	0	0	4 (14)	0	1 (25)	2 (18)	3 (16)	7 (15)
Incr AST and/or ALT	0	1 (17)	0	1 (33)	1 (17)	3 (11)	1 (25)	0	3 (27)	4 (21)	7 (15)
Incr blood glucose	1 (14)	1 (17)	1 (17)	0	1 (17)	4 (14)	0	1 (25)	2 (18)	3 (16)	7 (15)
Rash	0	1 (17)	2 (33)	0	1 (17)	4 (14)	0	0	2 (18)	2 (11)	6 (13)
Stomatitis	0	2 (33)	1 (17)	1 (33)	0	4 (14)	0	0	1 (9)	1 (5)	5 (11)
Any FHD-286-Related Grade ≥3 TEAE	4 (57)	3 (50)	5 (83)	1 (33)	3 (50)	16 (57)	0	2 (50)	5 (46)	7 (37)	23 (49)
Any DLT	0	0	0	0	1 (17)	1 (4)	0	1 (25)	2 (18)	3 (16)	4 (9)
Incr blood and/or conjugated bilirubin	0	0	0	0	1 (17)	1 (4)	0	1 (9)	1 (5)	2 (4)	4 (9)
Conduction disorder	0	0	0	0	0	0	0	1 (25)	0	1 (5)	1 (2)
Hyperglycemia	0	0	0	0	0	0	0	0	1 (9)	1 (5)	1 (2)
Incr AST and											