# **UNITED STATES** SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

# FORM 8-K

### **CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 8, 2022

# Biomea Fusion, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of Incorporation)

001-40335 (Commission File Number)

82-2520134 (IRS Employer Identification No.)

650 Main Street Redwood City, CA (Address of Principal Executive Offices)

94063 (Zip Code)

Registrant's Telephone Number, Including Area Code: (650) 980-9099

Not Applicable (Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the

	Common Stock, \$0.0001 par value	BMEA	The Nasdaq Global Select Market
	Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Secu	urities registered pursuant to Section 12(b) of the Act:		
	Pre-commencement communications pursuant to Rule	13e-4(c) under the Exchange Act (1	7 CFR 240.13e-4(c))
	Pre-commencement communications pursuant to Rule	14d-2(b) under the Exchange Act (1	7 CFR 240.14d-2(b))
	Soliciting material pursuant to Rule 14a-12 under the I	Exchange Act (17 CFR 240.14a-12)	
	Written communications pursuant to Rule 425 under the	he Securities Act (17 CFR 230.425)	
	owing provisions:		

chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company ⊠

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. □

### Item 8.01. Other Events.

On April 8, 2022, Biomea Fusion, Inc. (the "Company") issued a press release titled, "Biomea Fusion Reports Preclinical Data on BMF-219 and Trial in Progress Presentations at AACR 2022 Annual Meeting." The information described in the press release is also being presented in poster presentations at the American Association for Cancer Research (AACR) 2022 Annual Meeting on April 12, 2022.

Copies of the press release and the Company's poster presentations are attached to this Current Report on Form 8-K as Exhibits 99.1 through 99.4 and incorporated herein by reference.

### Forward-Looking Statements

Statements made or incorporated by reference in this Current Report on Form 8-K may include statements which are not historical facts and are considered forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These statements may be identified by words such as "aims," "anticipates," "believes," "could," "estimates," "expects," "forecasts," "goal," "intends," "may," "plans," "possible," "potential," "seeks," "will," and variations of these words or similar expressions that are intended to identify forward-looking statements. Any such statements in this press release that are not statements of historical fact, including statements regarding the clinical and therapeutic potential of the Company's product candidates and development programs, including BMF-219, the potential of BMF-219 as a treatment for various types of cancer and diabetes, the Company's research, development and regulatory plans, and the timing of such events, may be deemed to be forward-looking statements. The Company intends these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act and Section 21E of the Exchange Act and is making this statement for purposes of complying with those safe harbor provisions.

Any forward-looking statements made or incorporated by reference in this Current Report on Form 8-K are based on the Company's current expectations, estimates and projections only as of the date of this Current Report on Form 8-K are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements, including the risk that the Company may encounter delays in patient enrollment and in the initiation, conduct and completion of its planned clinical trials and other research and development activities. These risks concerning the Company's business and operations are described in additional detail in its periodic filings with the U.S. Securities and Exchange Commission (the "SEC"), including its most recent periodic report filed with the SEC and subsequent filings thereafter. The Company explicitly disclaims any obligation to update any forward-looking statements except to the extent required by law

### Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit <u>Number</u>	Description
99.1	Press release titled, "Biomea Fusion Reports Preclinical Data on BMF-219 and Trial in Progress Presentations at AACR 2022 Annual Meeting,"
99.2	Poster presentation titled, "Irreversible Menin Inhibitor, BMF-219, Exhibits Potent Cytotoxicity in KRAS-Mutated Solid Tumors."
99.3	Poster presentation titled, "Anti-tumor Activity of Irreversible Menin Inhibitor, BMF-219, in High Grade B-Cell Lymphoma and Multiple Myeloma Preclinical Models."
99.4	Poster presentation titled, "A Phase 1 study of BMF-219, a novel oral irreversible menin inhibitor, as a single agent in patients with relapsed/refractory (R/R) acute lymphocytic/acute myeloid leukemia (ALL/AML), diffuse large B-cell lymphoma (DLBCL), and multiple myeloma (MM)."
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

**SIGNATURES** 

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

BIOMEA FUSION, INC.

Date: April 8, 2022

By: /s/ Thomas Butler

Thomas Butler

Principal Executive Officer

2



### Biomea Fusion Reports Preclinical Data on BMF-219 and Trial in Progress Presentations at AACR 2022 Annual Meeting

### April 8, 2022

- Covalent menin inhibitor BMF-219 showed strong cytotoxic activity as a single agent at similar concentrations across multiple preclinical patient derived (PDX) models *ex vivo*, including diffuse large B-cell lymphoma (DLBCL), multiple myeloma (MM), colorectal cancer (CRC), non-small cell lung cancer (NSCLC), and pancreatic cancer
- Single agent BMF-219 demonstrated pronounced anti-cancer activity *in vitro* across KRAS G12C, G12D, G13D, and G12V mutant cell lines, including higher cell killing in comparison to commercially available KRAS G12C inhibitors and other clinical menin reversible inhibitors
- BMF-219 was multi-fold more potent and exerted greater cytotoxicity compared to clinical reversible menin inhibitors in DLBCL patient-derived *ex vivo* samples and over 99% cell lethality in MM cell lines with RAS mutations as a single agent
- A Phase I study (COVALENT-101) of BMF-219 is currently enrolling patients with relapsed / refractory acute leukemias, DLBCL, and MM

REDWOOD CITY, Calif., April 08, 2022 (GLOBE NEWSWIRE) — Biomea Fusion, Inc. (Nasdaq: BMEA), a clinical-stage biopharmaceutical company dedicated to discovering and developing novel covalent small molecules to treat and improve the lives of patients with genetically defined cancers and metabolic diseases, today presented new data at the American Association of Cancer Research (AACR) Annual Meeting demonstrating BMF-219's potent and highly effective activity in multiple preclinical models of DLBCL, MM, and KRAS human *ex vivo* tumor models and cell lines in poster presentations. In addition, the company presented a Trial In Progress (TIP) poster presentation detailing the design of Biomea's ongoing Phase I clinical trial (COVALENT-101).

The preclinical and TIP presentations can be viewed on Biomea's website at https://biomeafusion.com/publications.

"Today, we unveiled a dataset in which single agent BMF-219 demonstrated pronounced cytotoxic activity across multiple liquid and solid tumor types that we will be pursuing in the clinic. These data clearly show BMF-219's powerful cell-killing activity in a broad spectrum of tumor types, including a very robust pan-KRAS effect," said Steve Morris, MD, Biomea's Chief Medical Officer. "In liquid and solid tumor preclinical studies, BMF-219 has demonstrated a highly differentiated profile from both non-covalent menin inhibitors as well as clinical-stage and FDA-approved covalent KRAS G12C inhibitors. We are very excited to see how this differentiated profile translates in the clinical setting across multiple liquid and solid tumors."

In comparison to two highly specific KRAS G12C inhibitors, BMF-219 exhibited broader potency across KRAS-mutated cell lines (G12C, G12D, G13D, and G12V) and *ex vivo* PDX tumor models indicating pan-KRAS activity with over 90% growth inhibition in most of these models. Additionally, BMF-219 showed the potential to increase the depth of response across G12C cell lines, notably achieving a higher percentage of cell killing in G12C colorectal cancer cells compared to the commercially available KRAS inhibitor sotorasib and another clinical-stage KRAS inhibitor. Additionally, BMF-219 exhibited robust growth inhibition as a single agent against high-grade B-cell lymphoma cell lines that are known to have low response to standard of care, as well as in multiple MM cells with TP53 and RAS mutations at similar drug concentrations.

A targeted pan-KRAS inhibitor has the potential to treat the 25-35% of NSCLC, 40-45% of CRC, and ~90% of pancreatic cancer patients who have KRAS-mutant tumors. If approved, BMF-219 could be an effective treatment for relapsed/refractory DLBCL and MM, where patients have a significant unmet need despite a large armamentarium of therapeutic options. Additionally, we believe BMF-219 has the potential to be an effective therapeutic option for menin-dependent acute leukemias, including the >45% of AML patients that are believed to have menin-dependent disease.

### **Poster Presentation Details**

Details for the upcoming presentations are as follows:

Anti-tumor activity of irreversible menin inhibitor, BMF-219, in high-grade B-cell lymphoma and multiple myeloma preclinical models (Abstract #1205)

Session Category: Experimental and Molecular Therapeutics

Session Title: Novel Targets and Pathways

Session Date and Time: Tuesday, April 12, 2022 9:00 AM - 12:30 PM

Location: New Orleans Convention Center, Exhibit Halls D-H, Poster Section 24

Poster Board Number: 23 Permanent Abstract Number: 2654

Irreversible menin inhibitor, BMF-219, inhibits the growth of KRAS-mutated solid tumors (Abstract #1202)

Session Category: Experimental and Molecular Therapeutics

Session Title: Signaling Pathway Inhibitors

Session Date and Time: Tuesday, April 12, 2022 9:00 AM - 12:30 PM

Location: New Orleans Convention Center, Exhibit Halls D-H, Poster Section 25

**Poster Board Number: 8** 

**Permanent Abstract Number: 2665** 

COVALENT-101: A Phase 1 study of BMF-219, a novel oral irreversible menin inhibitor, as a single agent in patients with relapsed/refractory (R/R) acute lymphocytic/acute myeloid leukemia (ALL/AML), diffuse large B-cell lymphoma (DLBCL), and multiple myeloma (MM) (NCT05153330) (Abstract #7613)

**Session Category:** Clinical Trials **Session Title:** Phase I Trials in Progress 1

Session Date and Time: Tuesday, April 12, 2022 9:00 AM - 12:30 PM

Location: New Orleans Convention Center, Exhibit Halls D-H, Poster Section 34

Poster Board Number: 10

Permanent Abstract Number: CT210

### **About Biomea Fusion**

Biomea Fusion is a biopharmaceutical company focused on the discovery and development of covalent small molecules to treat patients with genetically defined cancers and metabolic diseases. A covalent small molecule is a synthetic compound that forms a permanent bond to its target protein and offers a number of potential advantages over conventional non-covalent drugs, including greater target selectivity, lower drug exposure, and the ability to drive a deeper, more durable response. The company is utilizing its proprietary FUSION<sup>TM</sup> System to advance a pipeline of covalent -binding therapeutic agents against key oncogenic drivers of cancer and metabolic diseases. Biomea Fusion's goal is to utilize its capabilities and platform to become a leader in developing covalent small molecules in order to maximize the clinical benefit when treating various cancers and metabolic diseases.

### **Forward-Looking Statements**

Statements we make in this press release may include statements which are not historical facts and are considered forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These statements may be identified by words such as "aims," "anticipates," "believes," "could," "estimates," "expects," "forecasts," "goal," "intends," "may," "plans," "possible," "potential," "seeks," "will," and variations of these words or similar expressions that are intended to identify forward-looking statements. Any such statements in this press release that are not statements of

historical fact, including statements regarding the clinical and therapeutic potential of our product candidates and development programs, including BMF-219, the potential of BMF-219 as a treatment for various types of cancer and diabetes, our research, development and regulatory plans, the progress of our COVALENT-101 Phase I clinical trial, and the timing of such events, may be deemed to be forward-looking statements. We intend these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act and Section 21E of the Exchange Act and are making this statement for purposes of complying with those safe harbor provisions. Any forward-looking statements in this press release are based on our current expectations, estimates and projections only as of the date of this release and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements, including the risk that we may encounter delays in patient enrollment and in the initiation, conduct and completion of our planned clinical trials and other research and development activities. These risks concerning Biomea Fusion's business and operations are described in additional detail in its periodic filings with the U.S. Securities and Exchange Commission (the "SEC"), including its most recent periodic report filed with the SEC and subsequent filings thereafter. Biomea Fusion explicitly disclaims any obligation to update any forward-looking statements except to the extent required by law.

### **Contact:**

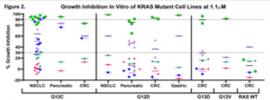
Van Sandwick Director, Investor Relations & Corporate Development vsandwick@biomeafusion.com (650) 460-7759 **biomea** 

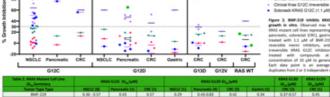
# Irreversible Menin Inhibitor, BMF-219, Exhibits **Potent Cytotoxicity in KRAS-Mutated Solid Tumors**

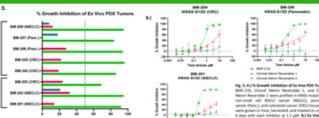
We Aim to Cure

- Kinten rat sactoma virus (IOAS) alterations are amongst the top oncogenic drivers and actioust for approximately one in seven of all human cancer Within the US, SARO mulations are most frequently found in high percentage of colorectal cancer (IOEC, non-small cell HSGEC cancer (HSGEC) and parcreatic cancer. These cancers respond points to standard-of-care agents, progress, and their management has been hindered by a lack of effective targette.









Patient Clinical Stage at Collection	Prior Therapy	KRAS Mutation	Specimen Type	BMF-219	Clinical Menin Reversible 1	Clinical Menin Reversible 2
BM-207 (Not Available)	N/A	6120	Parscreatic:	8.500	UR.	18
BM-206 (Not Available)	N/A	6120	Pancrestic:	0.344	6.27	1.6
8M-204 (Stage NO	1):5 PU/Dioliphtin; 2):5 PU/Irinotecan/Bevacirumals; 3):5 PU/Panitumumals	6120	CRC	0.671	6.32	1.5
BM-205 (Stage N)	1) 5-FU/Chaliplatin/Bevacirumab (mixed response)     2) Capacitabine/vinoscan/Bevacirumab     X( sinotecan/Cetuninab/Capacitabine (responded, progression unknown)	6120	CNC	0.298	9.98	u
BM-205 Drage NO	1) 5-FU/Overligitation	6000	CRC	0.634	8.29	18
8M-208 (Stage N)	Di Copletin/Etoposide (mixed response)     Carboplatin/Pemetressel (mixed response)     Ristancinuma/Coordane (mixed response)	6120	NSCLS	0.460	7.30	LA.
BM-201 (Stage 9)	1) Carboplatin/Nab-packtavel; 2) Carboplatin/Doortavel	6600	NSCLS	0.394	UR.	18
BM-202 (Not Available)	I Coplatin/Senacioumab	6100	NSCLS	6.952	226	1.8

- Chester E. Chamberlain, et al. Menin Determines X-RAS Proliferative Outputs in Endocrine Cells. J Clin Invest. 2014;124(9):4093-4105 https://doi.org/10.1172/YC69004.



## Anti-tumor Activity of Irreversible Menin Inhibitor, BMF-219, in High Grade B-Cell Lymphoma and Multiple Myeloma Preclinical Models

We Aim to Cure

- DoubleTriple Hit Lymphoma (DHL/THL) and Double Expresse Lymphoma (DEL) are high-grade B-cell lymphomas (HGBL) that exhibi-low responses to standard therapeutic regimens resulting in poo
- prosposit.

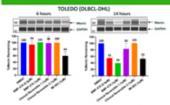
  OHI, harbor translocations in MMC and BCL2 or BCL6, THL contain translocations in MMC/BCL2/BCL6, and DEL are characterized by high expression of MMC/BCL2/BCL6, and DEL are characterized by high expression of MMC/BCL2/BCL6, and DEL are characterized by high expression of MMC/BCL2/BCL6, and DEL are characterized by high expression in a scaffold process of MMC/BCL6, and the scaffold procession in a scaffold procession of the proces
- We previously reported the ability of inveresible menin inhibitor, BMF-219, to modulate MYC expression and exhibit high potency against DHL Diffuse Large B-Cell Lymphoma (DLBCL) preclinical models (Somansh et al., 2021).



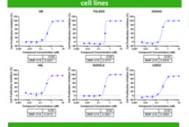




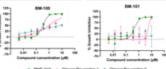
- AML and DLBCL cell lines were cultured in the presence of 8MF-219 or clinical reversible menis inhibitors for 14 hours. Menin protein expression was measured by the Wes system and analyted using the Compass software (automated western blotting, Protein Simple). Signal was normalized to GADPCs and referenced to DMDG control.
- Patient-derived DLBCI, PDX models and MM patient derived BMMCs were cultured as vivo in the presence of BMF-239 or P5-341, for 6 days and cell proliferation was measured by Cell Titler Glo.



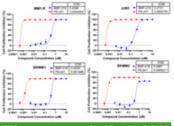
### tent cell lethality in DLBCL



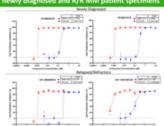
Gell Line	Catagory		Average % Mon Inhibition by BMF-219	Average K <sub>in</sub> , Standard Deviation (µM)
08	DH4.	MYC/80.2	96.5	0.407 ± 0.067
Toledo	DHL.	MYC/BOLZ	16.6	0.311 ± 0.065
DOHAG	DHL.	MYC/BCL2	99.7	0.323 ± 0.050
VAL.	THE	MACACIS/acit	97.1	0.275 ± 0.070
10912	DEL-MIC	MYC/BCL2 Overexpression	92.4	0.370 ± 0.012
SUDHLE	GCB		99.6	0.605 ± 0.309
Meither	GCB		99.6	0.367 ± 0.040
00:07	608		99.6	0.650±0.360







MM Cell Line			Average % Max Inhibition by BMF-219	Average (C <sub>10.1</sub> Standard Deviation ( <sub>2</sub> M)
MM1.5	1(14:16)	KRAS GILIR	99.5	0.467 ± 0.17
MALNA	1014310	KRAS GS24.	99.6	0.462 ± 0.37
SKIMMI	(14,30)	NAVS G12A	99.2	0.467±0.05
SKMAC	1(33;34)	2953	80.2	0.654±0.25
UND	1(34(36)	NWG GEOK	99.2	0.389 ± 0.02



Multiple Myeloma Specimen ID	Stage at Diagnosis	Treatment Status		
16-666/0219	IIA	Newly Diagnosed	None	No data
16-684/1019	ma.	Newly Diagnosed	None	No data
241-9949/06-	IIA	Refractory	VC0 N4 (resistant)	p53 deletion
241- 10514/0720	н	Refractory	VCD N.4 (responded) High dose CPH (SC mobilisation) (responded) Comodidation (AustriCT, double transplant) Burtesombi maintenance (resistant) EVD H4 (resistant) FRD H4 (resistant)	p53-deletion negative

- BMF-219 exhibited high potency as a single agent against DHL, THL and DEL DLBCL cell lines, with K<sub>50</sub> values of 0.27 µM and 0.37 µM, respectively.
- In ex vivo studies, 8Mf-219 was highly effective against R-CHOP and R-EPOCH refractory patient samples with THL and MYC-amplified genetic backgrounds.
- BMF-219 was multi-fold more potent and exerted dramatically greater growth inhibition compared to clinical reversible menin inhibitors in DLBCI, patient-derived or vivo samples.
- BMF-219 demonstrated single-agent efficacy (IC<sub>th</sub> values between 0.1 µM and 0.3 µM) against a panel of newly diagnosed and R/R or vivo MM samples, including a pSI-deleted clinical profile.
   REFERENCES
   Report in Lorent is fail. If a diagnose search and reference have the control of the control of

⊙ biomea

# COVALENT-101

(NCT05153330)

A Phase 1 study of BMF-219, a novel oral irreversible menin inhibitor, as a single agent in patients with relapsed/refractory (R/R) acute lymphocytic/acute myeloid leukemia

We Aim to Cure

Study Design Menin, a protein involved in transcriptional regulation, impacting cell cycle control, apoptosis, and DNA damage repair, plays a direct role in oncogenic signaling in multiple cancers. Inhibition of menin is a novel approach to cancer treatment.<sup>1</sup> **Dose Escalation** 

Arm A

Arm B

200 200 50

DL 2

DL 3 1.67

Screening

Post Tx Follow-Up

R/R ALL, AMPL, AML

R/R ALL, AMPL, AML

R/R MM

**Dose Escalation Scheme** 

83.5

500 125.25 125

325 501

DL5 1.33 666.33 650 166.58 175

### BMF-219

- BMF-219, is an orally bioavailable, potent and selective irreversible covalent inhibitor of menin, an important transcriptional regulator known to play a direct role in oncogenic signaling in multiple cancers.
- Preclinical data of BMF-219 show sustained potent abrogation of menin-dependent oncogenic signaling in vitro and in vivo.
- BMF-219 demonstrates a strong anti-proliferative effect on various menin-dependent acute myeloid leukemia (AML) cell lines, DLBCL cell lines representing Double/Triple Hit Lymphoma(DHL/THL), Double Expressor Lymphoma (DEL), and MM cell lines harboring diverse mutational backgrounds.
- BMF-219 also exhibits high potency ex vivo in patient samples from MLL-rearranged and NPM1-mutant AMIL, THL and MYC-amplified DLBCL, and bone marrow mononuclear cells from treatment-naive and R/IR MM.<sup>2</sup>
- BMF-219 is currently supplied as 25 and 100 mg strength capsules for oral administration

### COVALENT-101 (BF-MNN-101) STUDY OVERVIEW

- COVALENT-101 is a prospective, open-label, multi-cohort, non-randomized, multicenter, first-in-human Phase I study evaluating the safety, tolerability, and clinical activity of escalating doses of oral BMF-219 administered once daily in patients with R/R ALL, AML, DLBCL and MM who have received standard therapy.
- Approximately 20 clinical sites in the United States.

Determine OBD & RP2D of BMF-219 for each Coh & 3) and Arm (A & B)

h Cohort (1, 2 on Pr/Ph/s-s--

Further evaluate Safety and tolerability of BMF-219

· C., T., and AUC. of BMF-219

indary PK/ PD evaluation of BMF-219 Cohort 1: CRR\*

Additional Evidence of Efficacy of antitumor activity Cohort 3: ORR\*

\* Cohort 3: ORR\*

\* Cohort 3: ORR\*

To characterize the PD effects of 
Exploratory 8MF-219 for each cohort independently 

\* Changes in gene expression 
Explore predictive and pharmacodynamic markers

(ALL/AML), diffuse large B-cell lymphoma (DLBCL), and multiple myeloma (MM)

Dose Expansion

R/R ALL, AMPL, AML N = 12

R/R ALL, AMPL, AML

R/R MM

DLT Non-DLT Non-DLT w

n design followed by 3+3

### Inclusion Criteria

- ≥ 18 years with ECOG performance status of 0-2 and an estimated life expectancy of > 3
- Adequate liver function: Billirubin ≤ 1.5 ULN; ALT/AST ≤ 2.0 ULN
- Adequate renal function: estimated creatinine clearance  $|eCrCI| \ge 60$  mL/min (Cohort 1) or  $eCrCI \ge 30$  mL/min (Cohorts 2 & 3) using the Cockcroft-Gault equation
- Prior treatment-related toxicities resolved to s Grade 2 prior to enrolling
- Adequate washout from prior therapies (e.g., ≥ 60 days from RT; ≥ 60 days from stem cell infusion; ≥ 7 days from biologics or steroids; ≥ 21 days from prior immunotherapy; ≥ 14 days from completion of last chemotherapy)

### Indication & Prior Regimen Criteria

Cohort	ohort Arm Indication		Prior treatment regimens	*CYP3A4 inhibitors	
1	Α	R/R ALL, AMPL, AML agnostic of mutation	No limit, includes prior HSCT	No	
1	В	R/R ALL, AMPL, AML agnostic of mutation	No limit, includes prior HSCT	Yes	
2	А	R/R DLBCL / DLBCL transformed from previously indolent lymphoma (e.g., follcular lymphoma)	≥ 2 but ≤ 5 with at least 1 course of anthracycline-based chemotherapy & at least 1 course of anti-CD20 immunotherapy	No	
3	Α	R/R MM	≥ 3 but ≤ 6 including proteosome inhibitor	No	

ing concomitant medications considered to be strong or moderate inhibitors of CYP3A4

- · Prior menin inhibitor therapy
- Clinically significant cardiovascular disease; LVEF < 45%</li>
- . Mean QTcF or QTcB of > 470 millisecond (ms)
- Acute or chronic GVHD except disease limited to skin with adequate control using topical
- Concurrent malignancy in the previous 2 years

Issa, G. C., et al. (2021). Therapeutic implications of menin inhibition in acute leukemias. Leukemia, 35(9), 2482–2495.

Anti-tumor activity of irreversible menin inhibitor, BMF-219, in High Grade B-Cell Lymphoma and Multiple Myeloma Preclinical Models. AACR 2022, Abstract 2654.

 Post adequate response to 8MF-219 patient may proceed with HSCT and then resume 8MF-219 Survival follow-up calls

Doses of BMF-219 will be escalated in single-subject cohorts independently for each indication until 1 subject experiences either any ≥ Grade 2 related-TEAE which does not meet DLT criteria, or a DLT in the first cycle.

At that point, the dose level for the specific cohort will follow a classical "3 + 3" dose escalation design.

Study Flowchart

5 (1 - (2 -+++-(x - F) - F) -+++ (1 -+++ (1F) -+++

Daily treatment with BMF-219 in 28-day cycles

· Regular post-tx efficacy assessment visits

. Up to 28 days from cons

() blome