

A Phase I, Multicenter, Open-label, Dose-Escalation, Safety, Pharmacodynamic and Pharmacokinetic Study of GZ17-6.02 Given Orally on a Daily Schedule in Patients with Advanced Solid Tumors Or Lymphoma

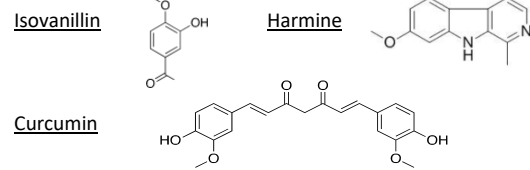
1. Cedars-Sinai Medical Center, CA; 2. Ochsner Cancer Institute, LA; 3. HonorHealth Research Institute, AZ; 4. Genzada Pharmaceuticals, KS

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## GZ17-6.02 Description

Natural products have been extensively used and researched in oncology. However the advent of targeted therapeutics have resulted in a decrease of natural product research.

GZ17-6.02 is combination of 3 fully synthetic naturally occurring molecules.

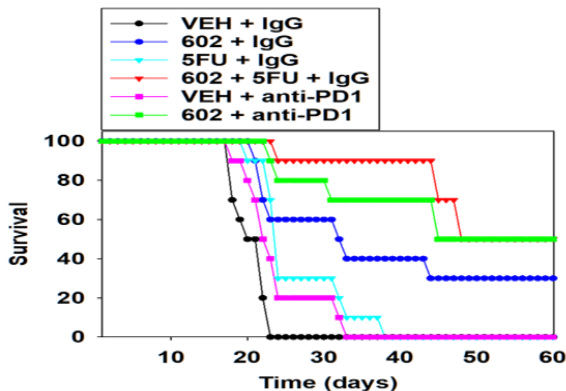


A standardized ratio of 77% Isovannillin, 13% Harmine, and 10% Curcumin was determined to be the optimal ratio from preclinical studies.

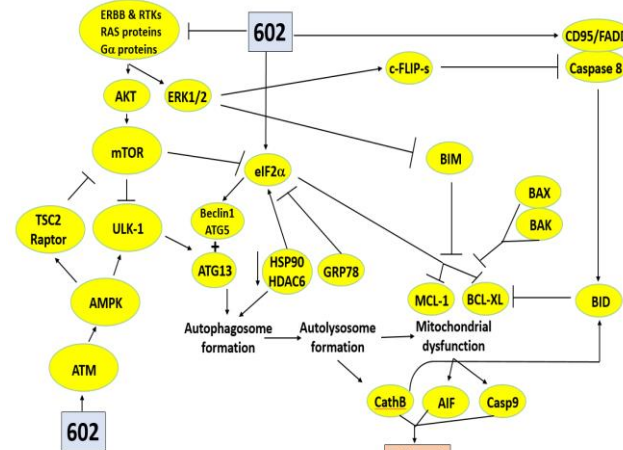
GZ17-6.02 was observed to affect various signaling pathways preclinically. Further evaluation determined these molecules gain synergistic effect by modulating super enhancers.

Preclinical data demonstrates GZ17-6.02's ability to enhance efficacy of other SoC agents, including fluoropyrimidines, IO agents, and cyclin-dependent kinase inhibitors (data on file).

An in vivo model demonstrates GZ17-6.02's ability to enhance biological effect when combined with other therapeutics in a CT26 murine CRC model as illustrated in the figure below.



## GZ17-6.02 Mechanism of Action



GZ17-6.02 affects multiple signaling pathways and biological pathways. These data when paired with RNA chipseq data demonstrate GZ17-6.02's effect on super enhancers and the subsequent downstream effects.

## Patients and Methods

- Patients with solid tumors were enrolled to receive GZ17-6.02 (QD or BID) on a continuous dosing schedule.
- Primary Objectives: To evaluate the safety and tolerability of GZ17-6.02 by determination of the MTD, DLT, and RP2D. Secondary Objectives: assessment of PK and antitumor activity.
- Main Inclusion Criteria: informed consent, > 18y.o., ECOG-PS 0-1, adequate organ function, pathologically confirmed diagnosis of advanced solid tumors or lymphoma, albumin >3 g/dL.
- Dose-escalation was dependent on <33% of patients in a cohort experiencing DLT during cycle 1 (28 days). Dose was increased by predetermined dose in single patient cohorts, followed by a “3+3” design.
- PK was assessed during cycle 1 in each patient.
- PD assessment determined by standard imaging studies including PET.
- NCT #03775525. Sponsor: Genzada Pharmaceuticals.

## DOSING SCHEDULE

Cohort 1 <sup>1</sup>	675mg QD	1 patient
Cohort 2	300mq QD	3 patients
Cohort 3	150mg BID	3 patients
Cohort 4	225mg BID	6 patients
Cohort 5	375mg BID	6 patients
Cohort 6	450mg BID	6 patients
Cohort 7	375mg BID	11 patients

1. Patient 001 experienced G3 dizziness leading to the more conservative dosing regimen.

## Results

Total Population		Tumor Type	
Consented <sup>1</sup>	53	NSCLC	7 (21%)
Dosed	38	Ovarian	5 (15%)
Evaluable DLT	33	Colorectal	4 (12%)
Female	21/33 (64%)	Sarcoma	2 (6%)
Mean Age	63.85 (39-86)	Other	15 (45%)
ECOG 0:1	14:19		

1. Includes screen failures.

### Prior Systemic Treatment

Mean	4.03	Range	1 - 10
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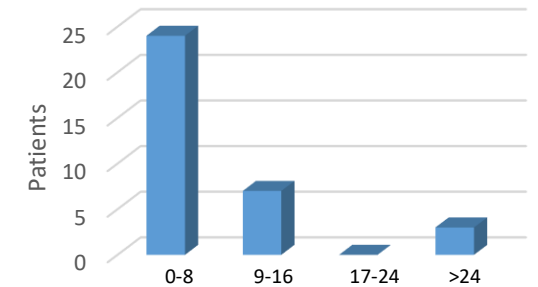
### Adverse Events on Treatment

All Grade $\geq 3$ AEs	33	Definitely Related Grade $\geq 3$ AEs	2
Related Grade $\geq 3$ AEs	12	Probably Related Grade $\geq 3$ AEs	0
Related Grade $\geq 4$ AEs	None	Possibly Related Grade $\geq 3$ AEs	10

- Grade  $\geq 3$  AEs occurred in 8 patients, none were SAEs
- 3 patients with Grade  $\geq 3$  AEs were dosed above the MTD
- 4 instances of Grade  $\geq 3$  ALT and AST elevation occurred in the same patient

Data represented is not fully reconciled as the trial is ongoing but are an accurate representation at the time of publication.

## Time on Treatment (Weeks)



- **One Partial Response (PR) was observed in a patient with NSCLC with one additional minor response in a patient with uveal melanoma**

## Discussion

- 33 patients have been treated in 6 dosage levels (QD and BID schedule). The drug was overall well tolerated: DLTs included reversible transaminitis and transient dizziness. Most common AEs were reversible transaminitis, fatigue, dizziness, constipation, nausea, and vomiting.
- GZ17-6.02 was administered with Peptamen®.
- While biological effect was observed, PK analysis largely demonstrated levels of the 3 active pharmaceutical ingredients (APIs) to be below levels of quantification. PK assay optimization to further identify and evaluate PK characteristics will occur in future studies.
- Further clinical evaluation of GZ17-6.02 with SoC therapeutics is planned.

## Conclusions

- 375mg BID was determined to be the MTD and the monotherapy R2PD
- GZ17-6.02 was well tolerated with manageable, reversible AEs.
- Further evaluation of PK parameters is ongoing.
- Various dosing strategies evaluating mono and combination therapy applications to occur in future phase Ib studies.

## Acknowledgements

- To all patients who participated and their families
- To investigators and staff from participating institutions
- Dr. Mita has no conflicts of interest to declare
- Please email questions to [info@genzada.com](mailto:info@genzada.com)