

Nurix Therapeutics

Blazing a New Path in Medicine

First Demonstration of Targeted Protein Degradation of BTK in Hematologic Malignancies: Initial NX-2127 Phase 1a PK/PD Data

4th Annual Targeted Protein Degradation (TPD) Summit October 27, 2021

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Arthur T. Sands, M.D., Ph.D. Chief Executive Officer

4th Annual Targeted Protein Degradation (TPD) Summit October 27, 2021



Presentation Outline

Outline of key questions we plan to address:

- 1. What is the status of our protein modulation pipeline?
- 2. What levels of BTK degradation are associated with anti-tumor effects in animal models?
- 3. What are the initial PK/PD findings from the Phase 1a study of NX-2127 in patients with relapsed/refractory B cell malignancies?



Nurix's Wholly-Owned Targeted Protein Modulation Pipeline: Both Degradation and Ligase Inhibition Programs Currently Enrolling

Drug Candidate	Target / Delivery	Therapeutic Area	Discovery	Lead Optimization	Preclinical	Phase 1	Phase 2	Phase 3
Protein Degradat	ion Chimeric Targetir	ng Molecule (CTM) Portfoli	0					
NX-2127	BTK + IMiD activity Oral	B-cell Malignancies		Enrolling				
NX-5948	BTK Oral	B-cell Malignancies and Autoimmune Diseases				Commence in H2 2021*		
KINASE-CTM3	T Cell Kinase	T-cell Malignancies and Autoimmune Diseases						
COVID-CTM	Intracellular SARs COV-2 proteins	Anti-viral						
Ligase Inhibition	Portfolio							
NX-1607	CBL-B Oral	Immuno-oncology			En	rolling		
DeTIL-0255	CBL-B (NX-0255) ex vivo	Adoptive Cell Therapy (ACT)				Commence in H2 2021*		
LIGASE-INH2	Undisclosed	Immuno-oncology						

* All timing based on calendar-year periods and represents corporate goals set in January 2021



DELigase[®] Enables Efficient Chimeric Targeting Molecule Discovery and Design



Nurix's BTK Degrader Portfolio: A Differentiated Approach to B-Cell Malignancies

- BTK is standard of care target however mutational escape represents a major unmet need
 - BTK inhibitors are approved for CLL/SLL, mantle cell lymphoma, Waldenstrom's macroglobulinemia, marginal zone lymphoma, with sales of \$7.1 billion in 2020
 - Next generation BTK inhibitors continue to be susceptible to mutational escape
- Opportunities to meet unmet need with BTK degraders differentiated action
 - Catalytic nature of targeted protein degraders provide a new MOA with fundamentally different PK/PD from inhibitors
 - Unique dual activity: NX-2127 combines the activities of BTK degradation and IMiDs which may be beneficial across a range of hematologic malignancies, particularly in NHL/ DLBCL

NX-2127: BTK degrader with IMiD activity. Developing across multiple B-cell malignancies (CLL, MCL, WM, MZL, DLBCL, FL)

NX-5948: BTK degrader without IMiD activity. Developing for targeted B-cell malignancies and autoimmune diseases.



	BTK Inhibitors							
Validation								
CLL Re	and MCL Patients espond to Targeted Agents	Durability Can Be Years						
R	esistance Autations	None Approved for Certain Forms of NHL						
Opportunities								

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NX-2127 Degrades Both BTK and IMiD Neosubstrate Aiolos



NX-2127 shows potent BTK degradation in TMD8 cells (human DLBCL cell line)

NX-2127 degradation of Aiolos in human T cells occurs at a similar potency to lenalidomide and pomalidomide



NX-2127 Potently Inhibits Growth of Ibrutinib-Resistant Tumor Cell Lines

TMD8 BTK-C481S



- NX-2127 retains potent growth inhibition relative to BTK inhibitors in a tumor cell line carrying the C481S mutation
- Degradation of BTK with NX-2127 may offer a therapeutic option for patients who develop resistance to BTK inhibitors
- NX-2127 also shows superior activity to BTK inhibitors in wild-type TMD8 cells



Increasing BTK Degradation Correlates with Significant Tumor Growth Inhibition



Ibrutinib	30	N/A	N/A	62%	0.0004
	90	90.8±0.4	90.4±1.4	100%	<0.0001
NX-2127	30	80.2±1.8	83.7±1.3	74%	<0.0001
	10	69.3±1.5	79.8±1.4	58%	0.0492
venicie	0	0.0 ± 3.2	0.0±1.8	IN/A	0

N/A: Not applicable; TGI: tumor growth inhibition.



BTK Degradation with Once Daily Oral Dosing of NX-2127 in Non-Human Primates



- All dose levels achieve BTK degradation consistent with anti-tumor effects in mouse model
- At steady state once daily, oral dosing of NX-2127 maintains suppression of BTK protein levels throughout the dosing period

Robert J. Brown, M.D. SVP, Clinical Development

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NX-2127-001: Phase 1 First-in-Human Clinical Trial Design

Two-Part Phase 1 Monotherapy Trial of NX-2127 in Relapsed or Refractory B-Cell Malignancies



Study Disposition: Five of Six Relapsed/Refractory Patients Enrolled Remain on Study with NX-2127



Daily Oral Dosing Achieves Steady State NX-2127 Levels by Day 8

- Oral daily doses of NX-2127 achieves steady state concentrations by Day 8
- Oral daily dosing of NX-2127 demonstrates plasma exposure similar that observed in non-human primates



NX-2127 Plasma Level

Patient 1 (CLL) 100 mg
 Patient 2 (CLL) 200 mg
 Patient 3 (MCL) 200 mg
 Patient 4 (WM) 200 mg
 Patient 5 (CLL) 200 mg
 Patient 6 (SLL) 200 mg



Robust BTK Degradation Observed in All Patients Dosed Regardless of Baseline BTK Protein Levels

- Patients have varying levels of BTK in B cells at the start of treatment
- Oral daily treatment of NX-2127 induced a rapid and significant decrease in BTK levels that was sustained throughout dosing



MFI: geometric mean fluorescence intensity in circulating CD19+ B cells.



Greater Than 90% BTK Degradation Achieved at Steady State at Second Dose Level (200 mg once daily)

- Cohort 1 patient with
 >80% BTK degradation at steady state
- Cohort 2 average >90%
 BTK degradation at steady state
- BTK degradation in patients was consistent with results from mouse and primate models
- BTK % degradation was confirmed by western blot





BTK Degradation Table of Enrolled Patients

			% BTK Degraded							
Dose	Patient	Baseline	Day 2	Day 8	Day 15	Day 22	Day 29	Average Steady State*	Day 56	
100 mg	Patient 1 (CLL)	0	62.8	76.9	78.0	85.5	82.0	81.8	81.4	
200 mg	Patient 2 (CLL)	0	75.1	90.5	96.1	95.4	96.1	95.9	96.0	
	Patient 3 (MCL)	0	74.0	92.7	94.6	95.4	92.3	94.1	94.7	
	Patient 4 (WM)	0	63.6	56.8	91.5			91.5		
	Patient 5 (CLL)	N/A	\checkmark	\checkmark	\checkmark					
	Patient 6 (SLL)	0	6.9	85.1						

Cohort 2, Patient 4: Last dose given on Cycle 1 Day 15, discontinued due to disease progression

Cohort 2, Patient 5: Baseline sample was not collected due to inclement weather (Hurricane Ida), thus % degradation could not be calculated.

*Average steady state is calculated with available % BTK degraded values from Day 15, Day 22 and Day 29



No Dose Limiting Toxicities Observed in the First Two Cohorts

- No deaths
- No related serious adverse events

All Grade 3 or Greater Adverse Events

Preferred Term	Dose Level (mg)	Grade	Relatedness	Intervention	Disposition
Neutropenia	100	3	Yes	None	Resolved
Neutropenia	200	3	Yes	Yes	Resolved
Hypertension	200	3	Yes	No	Resolved
Dyspnea	200	3	No	No	Resolved
Pneumonia	200	3	No	Yes	Ongoing

NX-2127 appears to be well tolerated at this early stage with a safety profile that is consistent with its known mechanisms of action

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 Full safety data will be presented by our investigators at a later medical meeting

Case Study: Patient in Cohort 1

Patient History: 78 year-old male with stage IV CLL Date of Initial Diagnosis: March 2012

<u>Prior Treatments:</u>1. Rituximab (with solumedrol), 20152. Ibrutinib, 2015-2021

<u>Disease at Study Entry:</u> Bone Marrow Involvement: 85.4% Spleen: Enlarged (15.7 cm) Nodal Lesions: Several, largest being 4.2 cm

Up to 68% of Leukemia Cells with BTK Mutations



Clinical Response Observed in Patient 1

Safety	
Exposure	No dose interruptions or modifications
DLT's	None
SAE's	None
Grade 3 or > AE	Neutropenia (ANC = 860), resolved without intervention

Disease Assessment

Time Point	Hgb (g/dL)	Plt (K/uL)	ALC (K/uL)	Spleen (cm)	Spleen % change ^a	Lymph Node SPD (cm²)	Nodal SPD % Change	Response ^b
Baseline	14.3	112	16.4	15.7		27.1		
Week 8	13.2	133	36.9	14.8	-33%	13.4	-51%	Stable Disease ^c
Week 16	14.1	114	22.5	14.2	-56%	10.8	-60%	Partial remission with lymphocytosis



^a Spleen % change is the percent change to a reference "normal" of 13 cm.

^b Response for this patient as per International working group on chronic lymphocytic leukemia (iwCLL)

^c Listed as partial remission in database.

DLT: dose limiting toxicity; SAE: serious adverse event; AE: adverse event; ANC: absolute neutrophil count; Hgb: hemoglobin, Plt: platelet count, ALC: absolute lymphocyte count, SPD: sum of product diameters

Preliminary Findings: Robust Degradation of BTK by NX-2127 in All Patients Dosed

- NX-2127 is well-tolerated to date with no dose-limiting toxicities
 - Safety profile at this early stage is manageable and consistent with mechanisms of action
 - 5 of 6 patients remain on study
 - Dose escalation has advanced to Cohort 3 at 300 mg once daily
- First demonstration of TPD of BTK in hematologic malignancies
 - Greater than 90% BTK degradation observed in all patients at steady state in Cohort 2 (200 mg)
 - PK/PD was consistent with modeling and preclinical animal studies
- Clinical response observed in Patient 1 at first dose level of 100 mg once daily
 - BTK degradation exceeded 80% at steady state
 - Patient's disease expressed 68% mutated BTK, including approximately 50% C481 mutations



Conclusions

- 1. Nurix protein modulation pipeline now has two programs in clinical development: NX-2127 (TPD) and NX-1607 (ligase inhibition) with two more programs advancing
- 2. Robust BTK degradation demonstrated by NX-2127 in patients validates Nurix's BTK portfolio approach in targeted protein degradation
 - a) Preclinical models of PK and BTK degradation have been reliable predictors of degradation mechanism of action in humans
 - b) Human data from NX-2127 informs future dose selection for NX-5948, Nurix's BTK degrader that lacks IMiD activity and crosses the blood brain barrier in preclinical studies
- 3. Nurix anticipates advancing NX-2127 to Phase 1b dose expansion in H1 2022
- 4. These initial data support the concept of targeted protein degradation as a potential therapeutic approach in hematologic malignancies





Questions and Answers