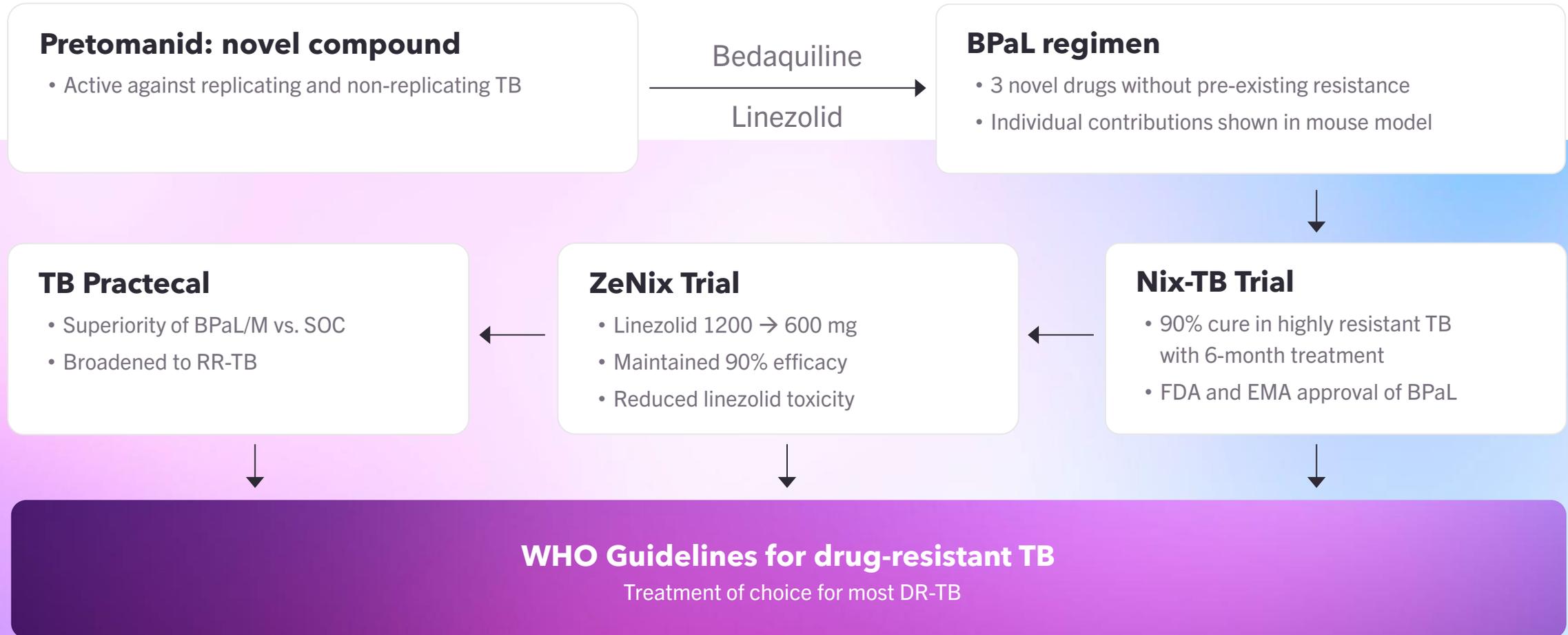




Realizing the Next Revolutions in TB Treatment

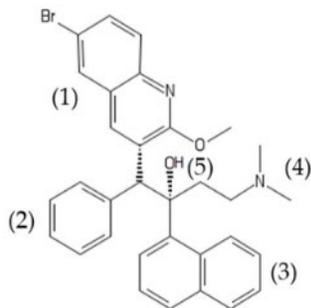


A case study of TB drug and regimen development



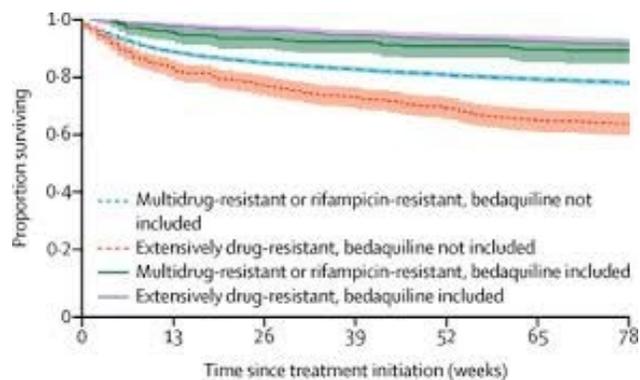
What is sorfequiline and why it is important

BDQ

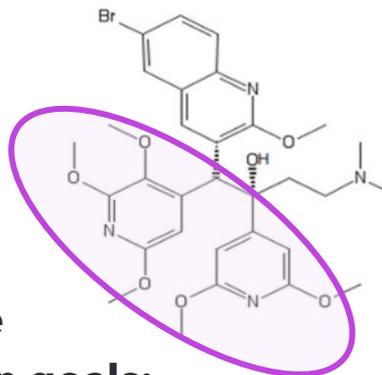


Bedaquiline (BDQ)

- First-in-class diarylquinoline (DARQ)
- Novel mechanism of action
- QT prolongation

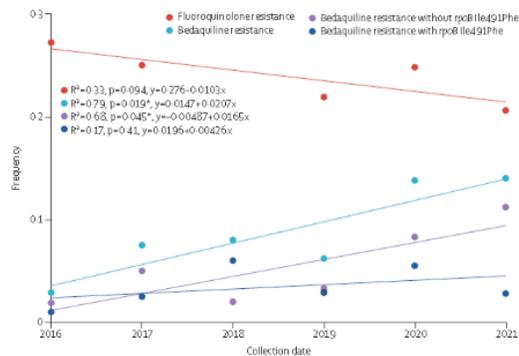


SFQ



Sorfequiline (SFQ) design goals:

- Increase potency
- Reduce/eliminate QT effect



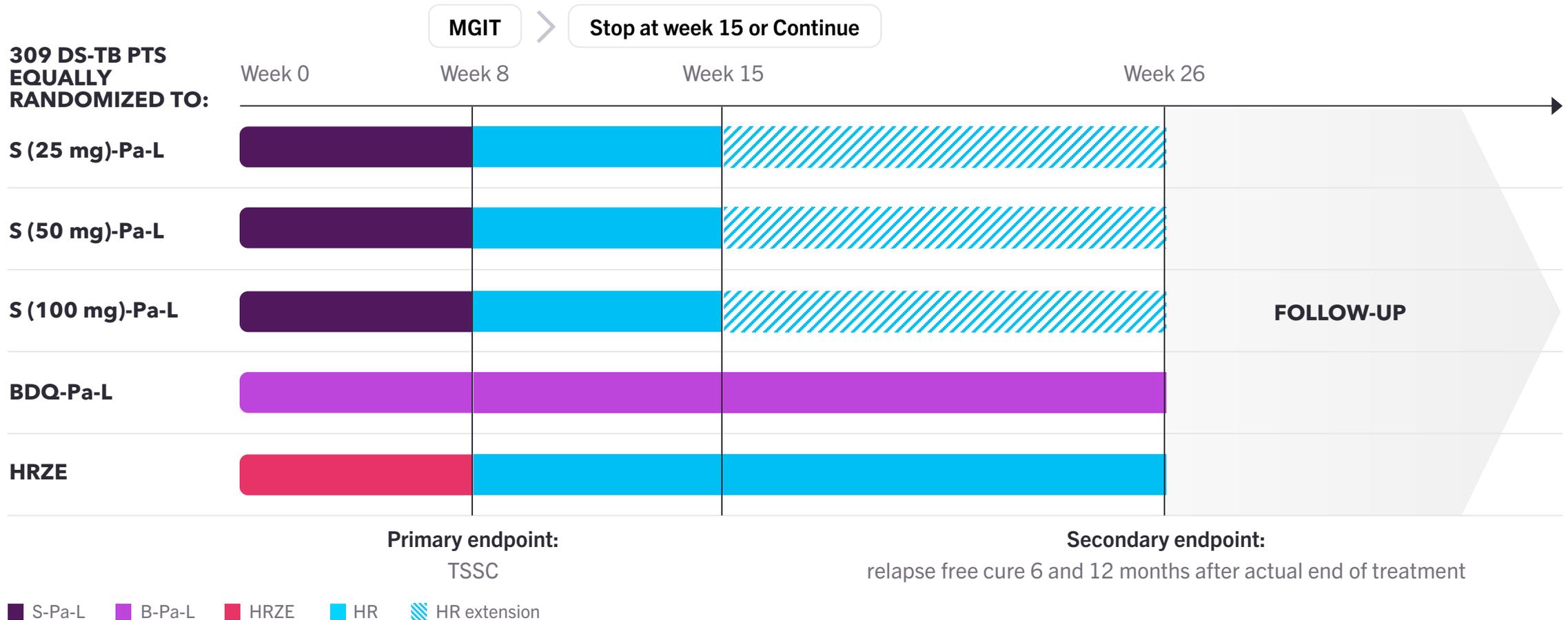
10x greater potency compared with BDQ

- ✓ Potential to shorter treatment duration
- ✓ Lower likelihood of resistance emerging
- ✓ Activity against BDQ-resistant strains

No QT prolongation observed in preclinical or clinical studies



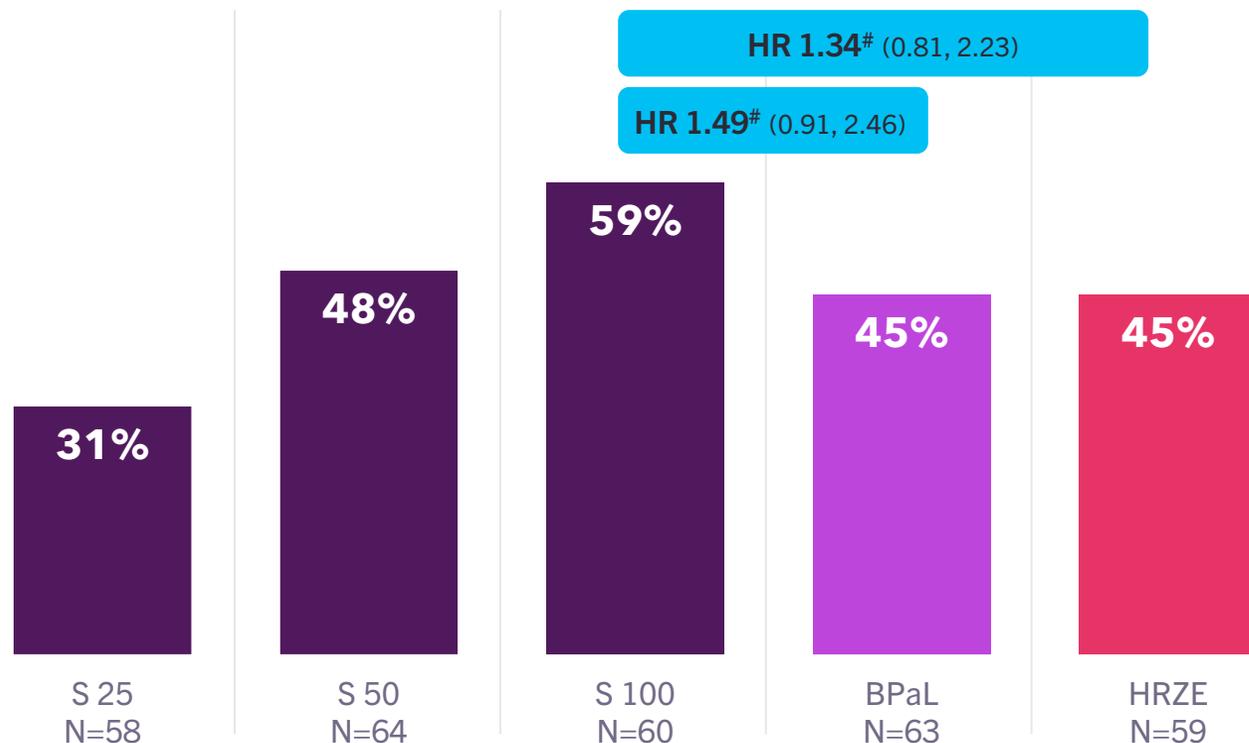
Phase 2 sorfequiline dose-ranging study, combined with pretomanid (Pa) and linezolid (L)





NC-009 efficacy at week 8 - MITT

KM PROBABILITY OF SCC BY WEEK 8*



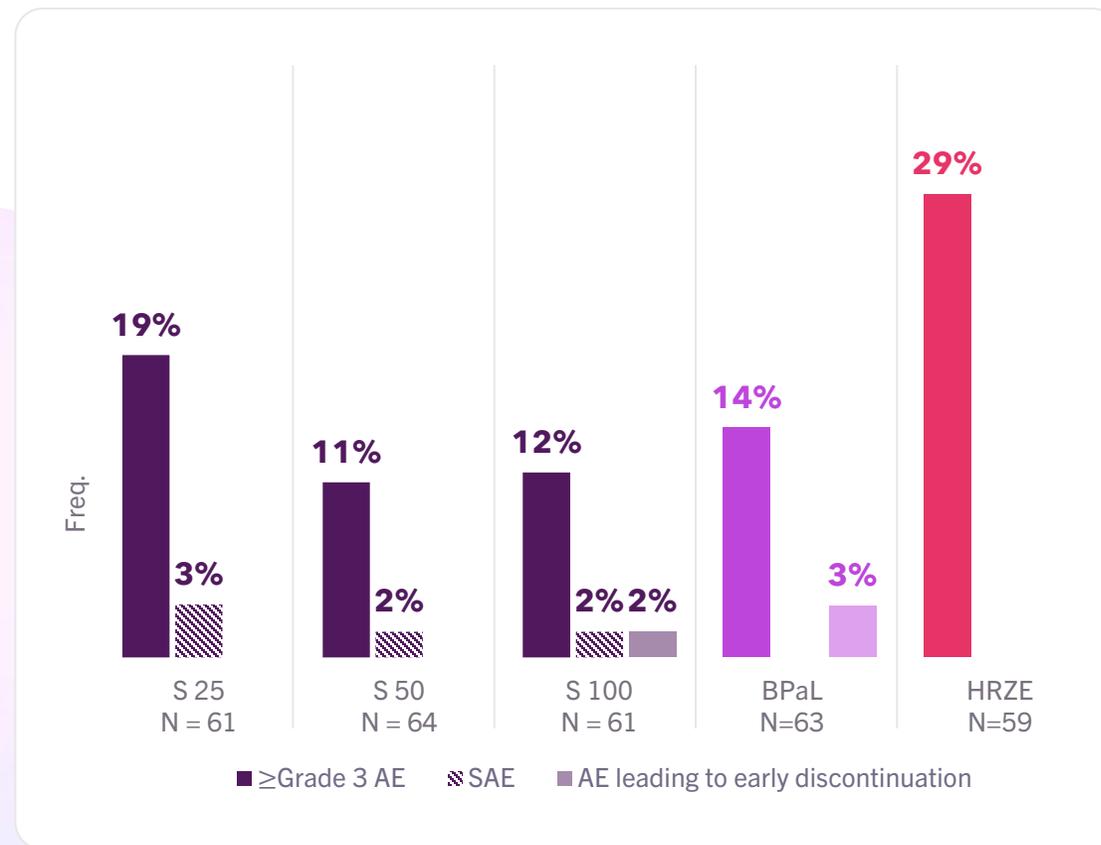
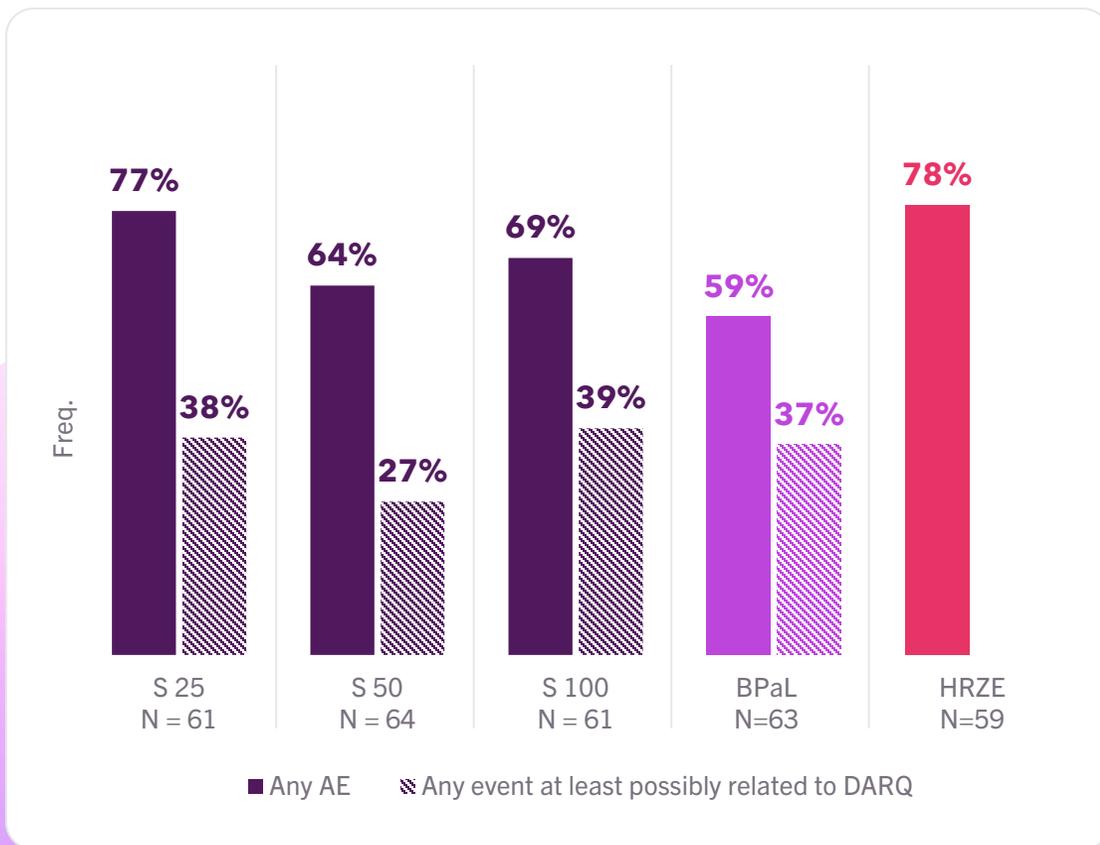
- ✓ Clear dose-response in sorfequiline arms
- ✓ 100 mg sorfequiline arm outperforms BPaL and HRZE

* Kaplan Meier method

** Stratified Cox Proportional Hazard model



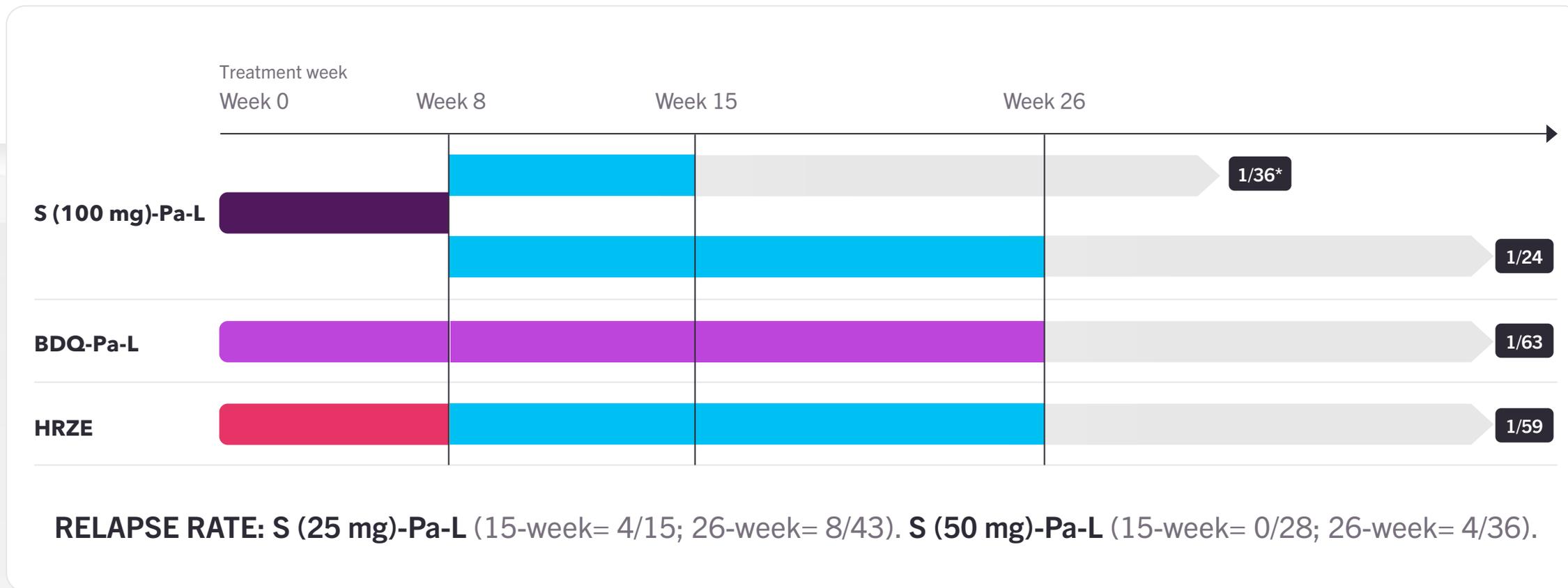
NC-009 safety summary through 8 weeks



✔ **NO DOSE EFFECT OF SORFEQUILINE ON FREQUENCY OF AES REGARDLESS OF SEVERITY**



Microbiological relapse rate 26 weeks after end of treatment



■ S-Pa-L ■ B-Pa-L ■ HRZE ■ HR ■ Follow-up 6-12 month

*early Stable Culture Conversion (week 5), asymptomatic at recurrence, possible reinfection from infected but untreated roommate



NC-009 demonstrates

✓ 100 mg SPaL regimen has greater bactericidal activity than BPaL or HRZE

✓ Data supports a 4-month regimen

✓ Unremarkable safety profile

✓ Favorable QTc profile versus bedaquiline

SORFEQUILINE: A PHASE 3-READY DRUG CANDIDATE



Sorfequiline Phase 3 study

Randomize ~500

Stratified by:

- Disease severity
- FQ susceptibility



Primary endpoint:

Outcome at 12 months after treatment initiation

Randomized, controlled, multinational non-inferiority trial in **DRUG-RESISTANT TB (DR-TB)**

✓ 4-month regimen of SPaL/M (moxifloxacin)

✓ 6-month regimen of BPaL/M (WHO standard of care for DR-TB)

Drug-resistant TB classification

Rif-resistant	Multidrug-resistant	Pre-Extensively drug-resistant	XDR (extensively drug-resistant)
Rifampicin	RIF and INH	RIF + INH + FQ	RIF + INH + FQ + BDQ or Lzd
Included in sorfequiline Phase 3 study			Exploratory



Roadmap to next transformational treatment paradigms

