Pharmacokinetics (PK) & Pharmacodynamics (PD): Properties of Antisense Drugs

**CONSORTIUM & PREDICTABLE**

Drug Discovery & Development Strategy: Consistent PK/PD is an Important Component

- Novel & genome-scale targets
- Zinc-finger antisense oligonucleotides
- Effective": 

**VERSATILE**

- Suitable for all target types (DNA, RNA) & drug types (small, large molecules)
- Technology fulfills needs for suboptimal drugs

**EFFECTIVE**

- Potent with minimal side effects
- Exemplified by current antisense drugs

**CONVENIENT**

- Absence of complex metabolic pathways
- Drug discovery & clinical development

Antisense Technology Enables Efficient Drug Development & Increases Probability of Success

- Consistent/Predictable
- PK properties across the class of second-generation antisense drugs & clinical trials
- Probability of drug failures during development

**SUMMARY**

- Consistent/Predictable
- PK properties across the class of second-generation antisense drugs & clinical trials
- Probability of drug failures during development

Validated Targets

- Approved for clinical trials
- Phage-displayed peptides

**SIMPLE**

- Consistent/Predictable
- Consistent PK/PD across the class of second-generation antisense drugs

**EMBEDDED VISUAL**

- Versatile PK/PD properties
- Antisense drugs are Predictable & Known

- Potent with minimal side effects
- Consistent PK/PD across the class of second-generation antisense drugs

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- Probability of drug failures during development