

# Criteria for a good drug target

No target is perfect, but identifying strengths and weaknesses aids the progress and risk mitigation of drug discovery programmes

## Target Confidence

- Is there genetic basis for the disease and what is known about expression of the drug target?
- Is the drug target modulating the biological mechanism driving disease development?

## Target Engagement

- Has target engagement been shown in cellular systems?
- Does a drug bind to the target in the diseased tissue of the model organism?
- What is the degree of target engagement and time on target required for efficacy?

## Target Feasibility

- Is the target druggable?
- What is the optimal modality for achieving the desired biological outcome?
- Are there known assays, tool molecules and structural knowledge that support drug discovery activities?

## Target Safety

- What is known about the safety of the target in the preclinical models and in humans?
- What is known about the selectivity of the drug?

## Target Patients

- Can the patients who respond to the treatment be identified with a biomarker?

## Target Significance

- What is known about the unmet clinical need and the patient segment to be treated?
- What is the competitive landscape?