

## INDICATION PRIORITIZATION AND PRE-COMMERCIAL VALUE ASSESSMENT

### ANALYZE PEPTIDE RECEPTOR RADIONUCLIDE THERAPIES BACKGROUND AND FRAMEWORK

Three key elements of PRRTs

#### 1. Radioisotope



determines the potential use of a drug depending on its emission range (diagnostic or therapeutic)

#### 2. Peptide



binds the PRRT to a target receptor and plays a major role in the distribution of pharmacokinetic and pharmacodynamic properties

#### 3. Chelator



binds a radioisotope and a peptide, stabilizing the PRRT complex

### SCREEN PRELIMINARY INDICATIONS

Our client's asset can be developed as a therapeutic treatment for oncological indications that over express the relevant bombesin receptor



Our team identified over **35 oncological conditions** for the preliminary screening exercise...



...and further analyzed **six key tumor types and related subtypes** based on the expected expression of the relevant receptor

### PRIORITIZE TARGET INDICATIONS

The team then prioritized the key tumor types and sub-types and identified those with the highest potential for the target asset. We used three key dimensions of appraisal

#### 1. Clinical fit



with the target asset assessing the population's size, market confidence and momentum on PRRT application, and expected radio-sensitivity

#### 2. Market opportunity



assessing the market's size, unmet need and disease burden, and competitive landscape characteristics

#### 3. Clinical development feasibility



comparing potential target indications, investigating the existence of a companion diagnostic, mean trial length, ease of enrollment, study design, and mean trial cost

### DEFINE RISK-ADJUSTED NET PRESENT VALUE



We performed a single scenario rNPV assessment in the two most promising indications



In both indications, we projected the target asset volumes and revenues over the next 30 years



Based on asset's likelihood of approval, we computed NPV and rNPV...



...we outlined key takeaways and recommended next steps to maximize an asset's value and probability of success

