



Technology Landscaping for Bioavailability Enhancement of Oral Dosage Forms

Client	A leading pharmaceutical company
Industry	Pharmaceuticals
Products	Oral dosage forms with enhanced bioavailability

Background

- The Client wanted to understand the novel bioavailability enhancers / technologies that are appropriate for oral dosage forms

Key Business Questions

- Which are the novel excipients / non-traditional bioavailability enhancers suitable for oral dosage forms?
- What are the key categories of focus among the bioenhancement technologies?
- What are the various technologies suitable for the therapeutics in cardiovascular & metabolism, immunology, infectious diseases & vaccines, neuroscience and oncology?

Engagement Scope

1	Technology Scouting	2	Technology Prioritization	3	Key Finding and Conclusions
<ul style="list-style-type: none"> ▪ What are the various micro/nanotechnology, liposomal / lipid, mucoadhesive-based and hybrid bioenhancement technologies? ▪ What are the bioenhancement mechanisms underlying these technologies? ▪ Are there any safety concerns related to the identified technologies? 		<ul style="list-style-type: none"> ▪ What are the manufacturing devices / techniques suitable for oral bioenhancement? ▪ What is the technology maturity level of the bioenhancement technologies? ▪ What are the “unique features” of these technologies? 		<ul style="list-style-type: none"> ▪ Which are the most potential bioenhancer technologies suitable for oral dosage forms? ▪ Which are the active startups/SMEs with best R&D and IP strength? 	

Research Methodology

Secondary Research

- Conducted desk research studying company website, annual reports, press releases, etc. to identify patent, formulation and technology based assets
- Referred paid data sources such as market research reports, scientific and patent databases, etc.

Primary Research

- 500+ relevant patent & scientific publications

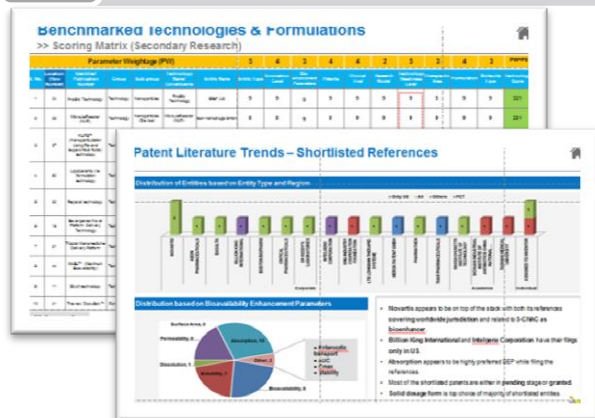
Benefits to Client

- The study would form the base for the formulation R&D team to assess and incorporate the key bio-enhancers / technologies suitable for their therapeutic portfolio

Sample Analysis

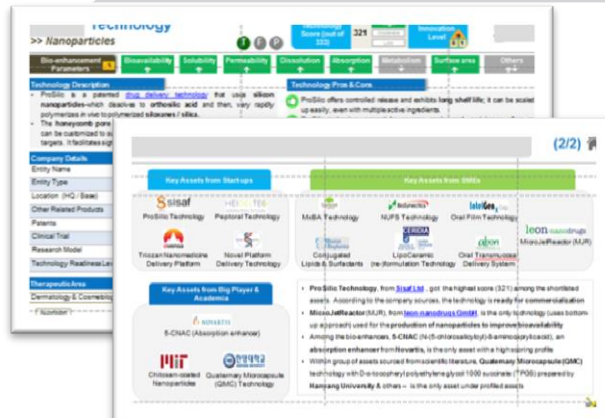
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Technology Scouting



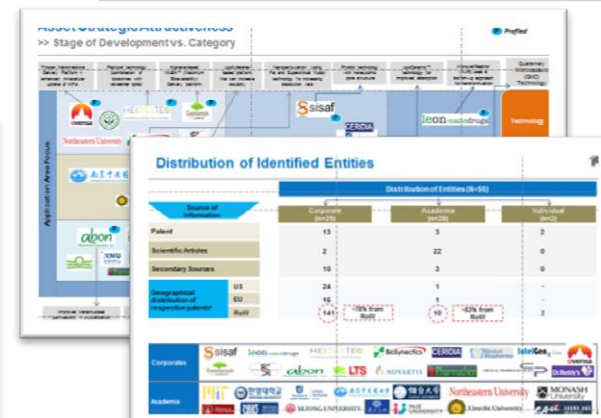
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Technology Prioritization



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Key Finding and Conclusions



Thank you

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