



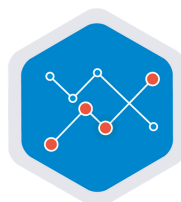
## CUSTOM SYNTHESIS AND CDMO SERVICES

*From the **first idea** to the **finished product**, we help our customers to manage costs, reduce infrastructure investment and compress time-to-market by providing integrated contract development and manufacturing services.*



### MANUFACTURING SERVICES

Full Service from Route Scouting, Optimisation and Custom Synthesis to Large-Scale or GMP Manufacture



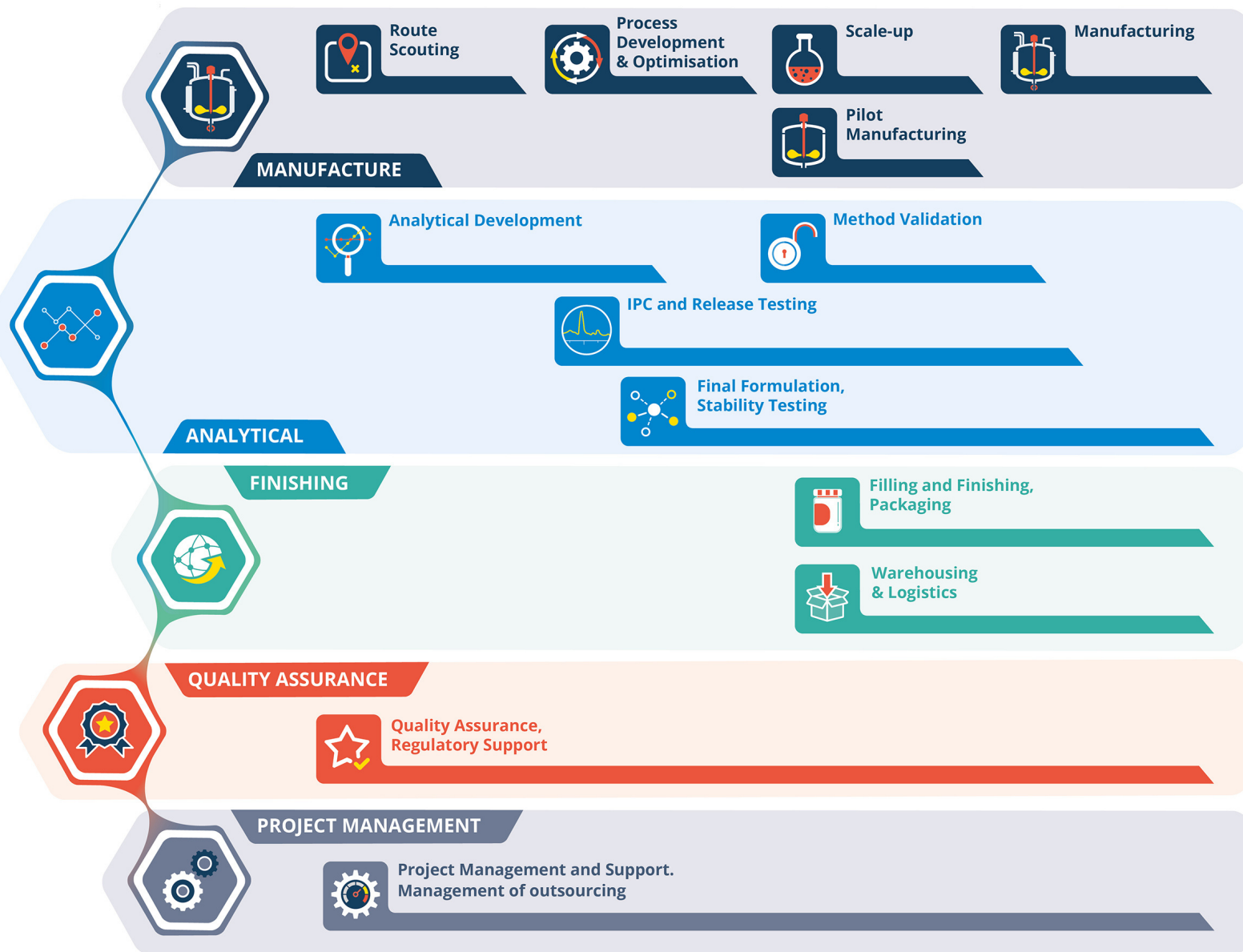
### ANALYTICAL SERVICES

Experts in Method Development, In-Process and QC Testing, Method Validation and Stability Testing



### FINISHING AND DISTRIBUTION

Fully Flexible Options for Filling and Packaging, with Global Warehousing and Logistics Management



Carbohydrate Building Blocks & Derivatives - Oligosaccharide Synthesis - Nucleosides, Dinucleotides & Analogues - Heterocyclic Chemistry - Fluorination, Phosphorylation & Sulphation Chemistry - Novel Enzyme Substrates - Natural Product Synthesis - Impurities and Metabolites - Protein Conjugation, Biotin and Click Linkers- High Purity Complex products - Synthetic Route Development - Medicinal Chemistry - Regulated Materials

## THE CARBOHYDRATE AND NUCLEOSIDE EXPERTS

We transferred in a **9-step** synthesis process to optimise and scale up. Our expert research team of synthetic chemists identified a solution and reduced to **5 steps** with **increased recoveries**. The shortened synthesis process was further optimised and scaled to a **GMP process of just 3 steps**.