

Partnering early & long as a niche, customized solution provider

Client - A global big-pharma organization offering innovative veterinary therapeutic solutions through its animal health division. Associated with Laurus for the past 8 years on human health programs & for past 3 years on the animal health

Program

- The drug candidate is a new generation small molecule therapeutic for animal health under late-stage clinical evaluation. The launch will eventually be global.

Challenge

- Given the guidelines, the structure forming stages of the API needed to be handled in a dedicated veterinary block during commercial manufacture
- The convergence synthesis involves two different SMs one of which will be supplied as racemate & requires isolation of the required chiral form & requires SMB capabilities both at lab & large-scale
- Given that the quality of the input racemate is critical for the separation using SMB, ensuring consistent supply of quality RSM becomes very important

Solution

- Laurus, even during early opportunity evaluation, assessed stages that can be handled in current facilities v/s stages that require dedicated production and factored that into planning
- Even as Laurus redeveloped (the given SMB protocol was not scale-appropriate) for scale-up production of the chiral BB, it simultaneously developed the racemic synthesis & provided the client an alternate supplier option. The other BB too was developed and scale-up and evaluated downstream
- Even as the development was underway, Laurus identified a facility that could be dedicated for the AH production

Outcome

- The project was successfully completed and the multiple batches of pilot-scale and commercial-scale API were shipped to client thus streamlining client's path to launch
- Given the science & scale capability demonstrated by Laurus & not to forget the input back-integration capability, the client chose to enter into a collaborative business model with Laurus vide which Laurus will develop & manufacture around 15+ animal health therapeutics for the client
- MULTIPLE KILOS OF DEVELOPMENTAL QUANTITIES DELIVERED. DEVELOPMENT OF 10+ PROJECTS UNDERWAY & SO IS PRODUCTION FACILITY BUILD-UP