



SUCCESS STORIES



Metabolite: as a key starting material for a new development project

BACKGROUND

A US-based virtual drug discovery company requested the development of a cost effective synthesis process to produce a metabolite for one of their key platform development projects.

THE CHALLENGE

1. The initial quantity requested was 1 gm, but subsequently the amount increased up to +100 gms. ExSyn had to identify a manufacturing partner with the ability to scale up a rather difficult compound.
2. Our customer had a limited budget on the delivered price which was almost a third of the known price levels for the mg quantity sold as an impurity, a real challenge.

THE APPROACH

Our team developed the synthesis process for the metabolite together with the accurately selected manufacturing partner, who had sound experience in synthesizing API impurities.

THE SOLUTION

- Y A trial was conducted at mg level and characterization documents were sent to the client, which were approved
- Y Thereafter, product was successfully scaled up
- Y ExSyn was able to deliver 1 gm compound within the price range requested by the customer
- Y The larger order followed soon and ExSyn successfully delivered 100 gms to support the final product analytical package

FURTHER RESULTS

- Y ExSyn also was able to source other key raw materials and supported the scale up from bench to larger scale at a CDMO.
- Y ExSyn continues working with this client on other products under development.