KD Pharma™
Creating Health Solutions

APIs and Intermediates

The CDMO Division of KD Pharma excels in the production of drug intermediates and API drug substances. We offer our customers the full spectrum of drug services:

- R&D development material for preclinical studies
- Pilot plant for phase I, II and III supplies
- Large scale production of metric ton amounts for commercial supply

We excel in rapid scale up and multi-step synthesis with a proven track record of successful custom productions for a number of global pharmaceutical companies.

Defined by you.
Scale-up by us.™

Basis of Our Success:

- Agile, right sized company = experienced work force able to quickly implement chemical synthesis and adjust for the needs of process scale-up
- Flexible production trains with adaptable configuration avoiding bottlenecks
- Right first time and continuous improvement culture
- Excellent quality system and regulatory track record

KD Pharma's Position on Intellectual Property:

Simply: You pay for it, you own the IP.

API Examples for the US, European and Japanese Markets:

Case study 1:

- 10 step synthesis
- Key technologies: Hazardous reagents, heterocyclic chemistry
- All steps were validated
- Production/validation on 1.3 mt scale API completed in 7 months

Case study 2:

- 11 step synthesis with the need to control several stereocenters
- Carbohydrate and heterocyclic chemistry including high pressure catalytic hydrogenation (50 bar)
- Largest scale done before: 10 kg
- Production / validation on 1'000 kg scale in 11 months from scratch
- Demonstrated cost reductions over time

Let's discuss your specific manufacturing challenges today!

Contact us at: **CDMO@kdpharmagroup.com**

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