

## Collaborative work in Progress

Recently, HWB has taken collaborative project with ICT, Mumbai under DAE-ICT centre. This includes identification of relevant molecule with applications in medical field for deuteration, synthesis, characterization, metabolic study, pharmacokinetics, toxicity profiling etc. The project also includes synthesis of deuterated amino acids/other molecules. HWB has supplied few deuterated solvents/reagents to ICT for this project.



HWB has been associated with Pharmacy Department, MS University to promote work on deuterium medicinal chemistry. Accordingly a proposal titled “Synthesis and Biological Evaluation of Deuterated Analogs of some Antineoplastic Drugs” has been formulated and submitted by MS University.



Collaborative projects with ICT and MS University will help to validate and also to develop knowledgebase on applications of deuterium in medicinal chemistry with a focus on deuterated clinical candidates and also will highlight opportunities and challenges of this strategy.

HWB has joined hands with NCL, Pune for development of few deuterated compounds and deuterated precursor for application in APIs/drugs.