

Angelini Fine Chemicals has substantial experience in process development and industrial manufacturing of fine chemicals. The following reactions are currently performed in ACRAF production:

## Process Technology

- **HIGH TEMPERATURE REACTIONS**  
(UP TO 250°C)
- **SOLVENT FREE REACTIONS**  
(MELTED SUBSTANCES)
- **PHASE-TRANSFER CATALYSIS**
- **HYDROGEN PEROXIDE CHEMISTRY**  
(METAL CATALYST)
- **HYDRAZINE CHEMISTRY AND HANDLING**
- **REDUCTIONS**  
(ACTIVATED BOROHYDRIDES, VITRIDE, IRON, ZINC, HYDRAZINE, SULFITES, DITHIONITE)
- **CHIRAL CHEMISTRY**
- **DIAZOTIZATION AND NITROSATION**  
(SODIUM NITRITE)
- **CHLORINATION AND HALIDE EXCHANGE**  
(THIONYL AND SULFURYL CHLORIDE, BROMIDE EXCHANGE)
- **SILYLATION**  
(TMCS, HMDS, BSA)
- **ACYLATION, AMIDATION, ESTERIFICATION**