

Liver Microsome CYP Enzyme Inhibition Assay by Fluorimetry:

DMSO solution of test compounds are incubated in presence / absence of liver microsome and NADPH-regenerating system (NRS) followed by further incubation with EFC/CEC/CMC

Test Concentration : 100mM with 1% DMSO and NRS (N=3) / as appropriate

Fluorogenic substrate : 7-Ethoxy-4-trifluoromethylcoumarin (EFC), 3-Cyano-7-ethoxycoumarin (CEC), 3-Cyano-7-methoxycoumarin (CMC)

Reaction Volume : 200ml

Liver Microsome : 0.22 mg protein/ml reaction volume

Incubation : 37°C 1hr

End point : 0.5 M Tris buffer: acetonitrile (20:80)

Detection : Fluorimetry

Results of some standard drugs

