

Solubility Assay: High Throughput

DMSO solution of test compounds added to PBS, incubated, filtered and estimated for solubility using linearity standard curve for the compounds.

Incubation : 2hr, 25°C with shaking

Solubility range : 5-400µM

Test condition : 500 mM in PBS, pH 7.4 with 2% DMSO (N=3), filtered through MultiScreen Solubility filter plate

Detection : At compound λ_{max} by Spectramax M5 (Spectrophotometry)

Other options available : Solubility at different buffer pH, temperature, time, Nonspecific binding to membrane, Quantitation by HPLC, LC-MS/MS.

Results of some Standard drugs as measured by Spectramax M5

