Depression, whether mild or severe forms, is most widely known psychological
disorders. Sertralin (SERT) and Trazodone (TRAZ) hydrochloride are selective
serotonin reuptake inhibitors which are clinically effective for the treatment of
depression. The drugs are chemically known as (1S,4S)-4-(3,4-dichlorophenyl)-1,2,3,4-
tetrahydro-1-naphthyl(methyl) amine and 2- (3-[4-(3-chlorophenyl)-1-piperazin]propyl]-
1,2,4-triazolo[4,3-a]pyridin-3-(2H)-one mono hydrochloride.

The multivariate calibration techniques use full spectrum, full automation, multivariate
data analysis and the reduction of noise and the advantages of the selection calibration
model. In addition these
multivariate calibrations do not need any separation procedure, they are very cheap,
very easy to apply and very sensitive. For these reasons these multivariate techniques
are popular today.