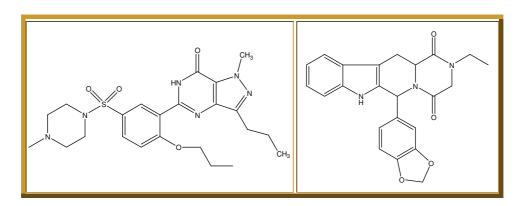
III. Counterfeit Drug and Medicine Analysis

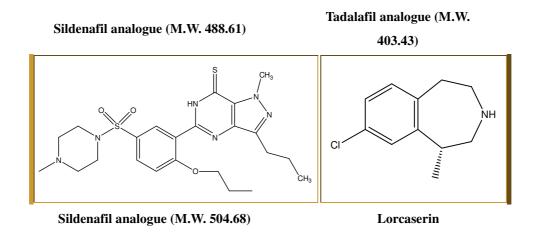
Counterfeit medicines can be easily found on the market and cause more serious citizens' health issue in Taiwan. Three major kinds of medicines including weigh-loss drugs, erectile dysfunction drugs and traditional Chinese medicines are frequently counterfeited in Taiwan. Hundreds of counterfeit medicine cases are sent to this laboratory for analysis each year.



Counterfeit Erectile Dysfunction Drugs

Like emerging designer drugs, the counterfeit medicine seizures can be occasionally found containing newly erectile dysfunction and weigh-loss components. By using precise instruments, the accurate chemical structures of the newly components are analyzed and collected in the database of emerging designer drugs.





In addition to components analysis of counterfeit drugs medicines, differentiation of the origin of them is a unique task for this laboratory which is the only test laboratory qualified to do this task in the government of Taiwan. The GC/MS, Inductively Coupled Plasma /Mass Spectrometer (ICP/MS) and Stable Isotope Ratio Mass Spectrometer (IRMS) with gas chromatograph and pyrolyzer inlet system are used for differentiation of the origin of drug and medicine seizures.



ICP/MS

GC/MS



IRMS