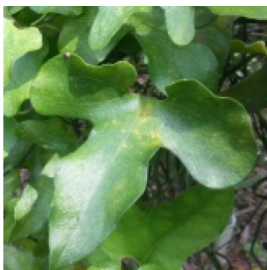
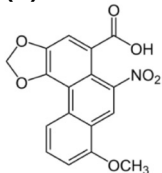


(a) Aristolochiaplant

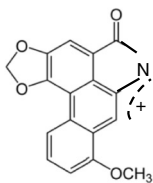


(b) Aristolochic acid

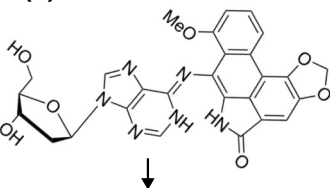


(c) Metabolic activation

(d) Aristolactam nitrogenium ion

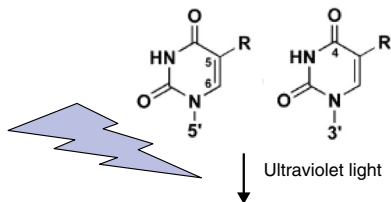


(e) Adenosine adduct in DNA

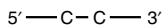
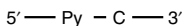
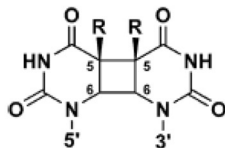


(f) A>T mutation

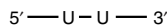
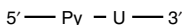
(g) Pyrimidine



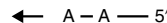
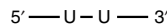
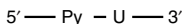
(h) Cyclobutane pyrimidine dimers



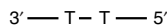
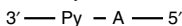
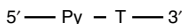
(i) Deamination



(j) Error free TLS



(k) Replication



C>T mutation

CC>TT mutation