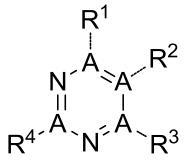
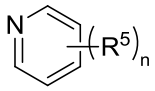
ENHANCED DEPOSITION OF CHROMOGENS UTILIZING PYRIMIDINE ANALOGS

ABSTRACT OF THE DISCLOSURE

This disclosure relates to compositions that enhance the deposition of detectable moieties on tissue samples, methods utilizing these compositions and kits including these compositions. The compositions include a deposition enhancer having a formula



and/or



where R^1, R^2, R^3, and R^4 are independently selected from aliphatic, aryl, halogen, a heteroatom-containing moiety, and hydrogen; R^1 and/or R^3 can be bound to R^2 to form a fused, aromatic ring system; R^5 is selected from a heteroatom-containing moiety; A is selected from, a carbon atom, a heteroatom, other than sulfur, and any combination thereof; n is 1-5, an enzyme, a specific binding moiety and a detectable moiety.

[No suitable fig.]