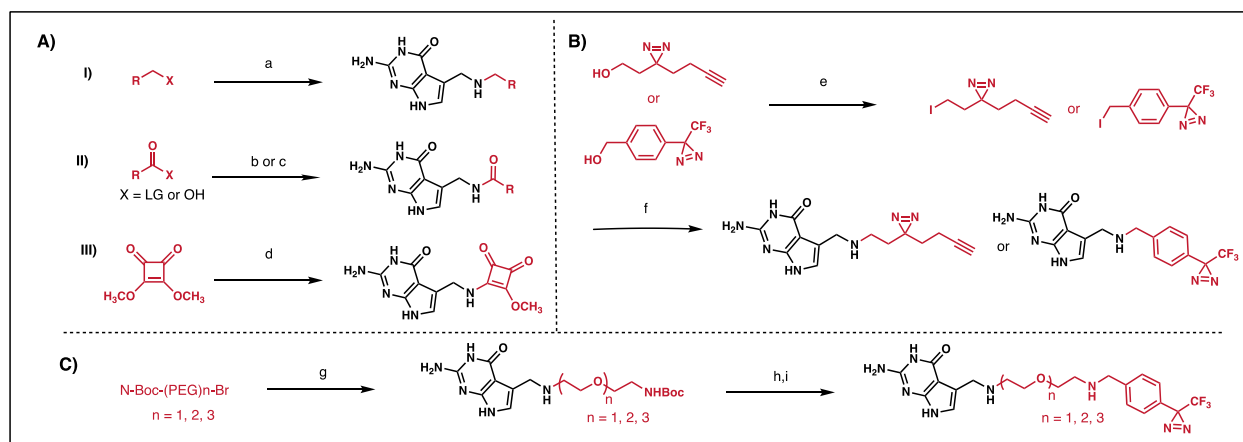




Scheme 1. Synthesis route to access various electrophilic (A) and photoaffinity probes (B,C) (a) PreQ1, K₂CO₃, DMF, rt, 1 h; (b) PreQ1, TEA, DMF, rt; (c) PreQ1, HATU, DIEA, DMF, 0 °C to rt 1 h; (d) PreQ1, TEA, DMF, rt, 18 h; (e) Ph₃P, Imidazole, I₂, DCM, 0 °C, 4 h; (f) PreQ1, K₂CO₃, DM rt, 2 h (in dark); (g) PreQ1, K₂CO₃, DMF, rt, 1 h; (h) Trifluoroacetic acid/DCM, 0 °C rt, 30 min; (i) PreQ1, K₂CO₃, DMF, rt, 2 h (in dark)