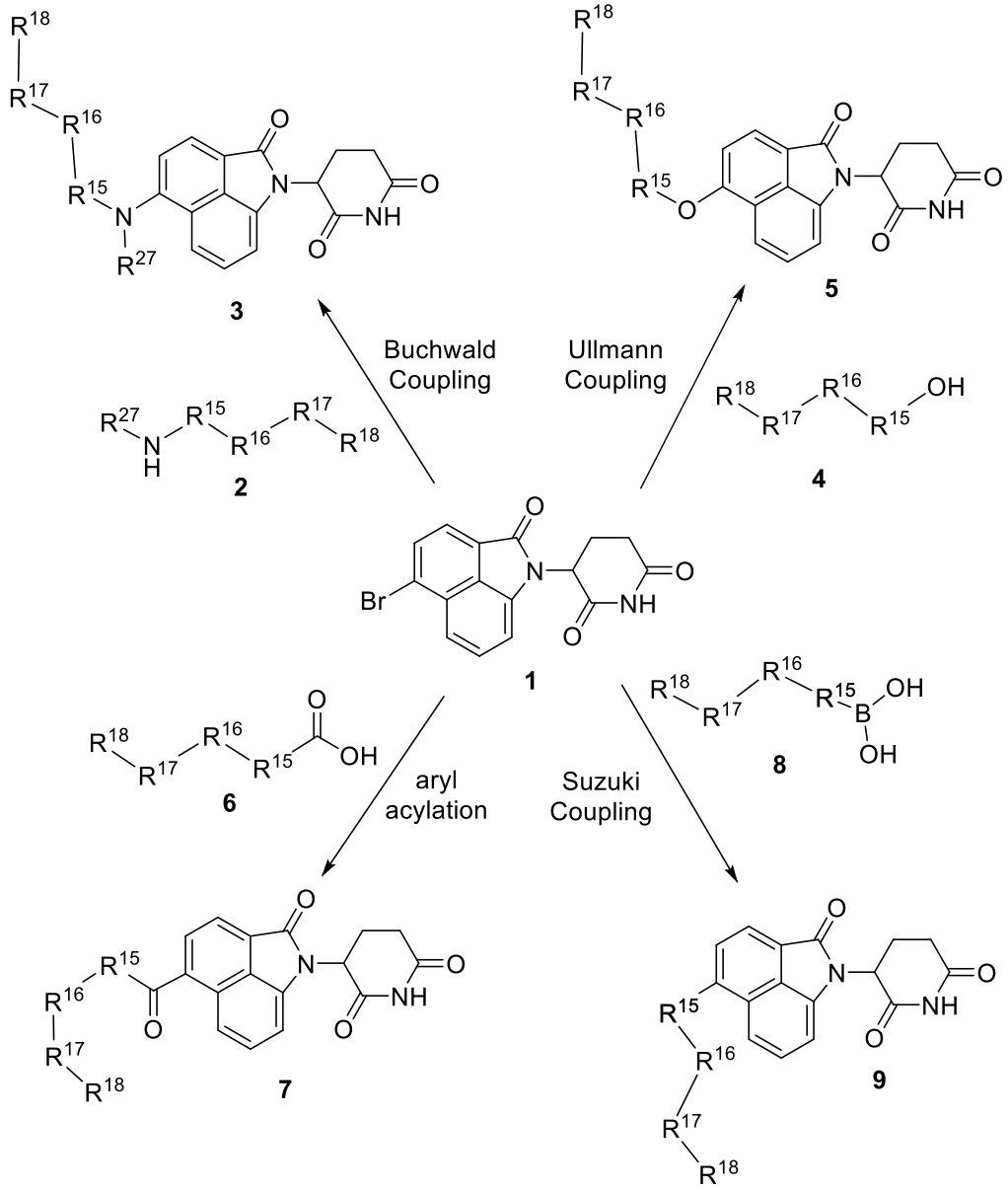

Buchwald Coupling
Ullmann Coupling
aryl acylation
Suzuki Coupling
1
2
3
4
5
6
7
8
9

FIG. 1

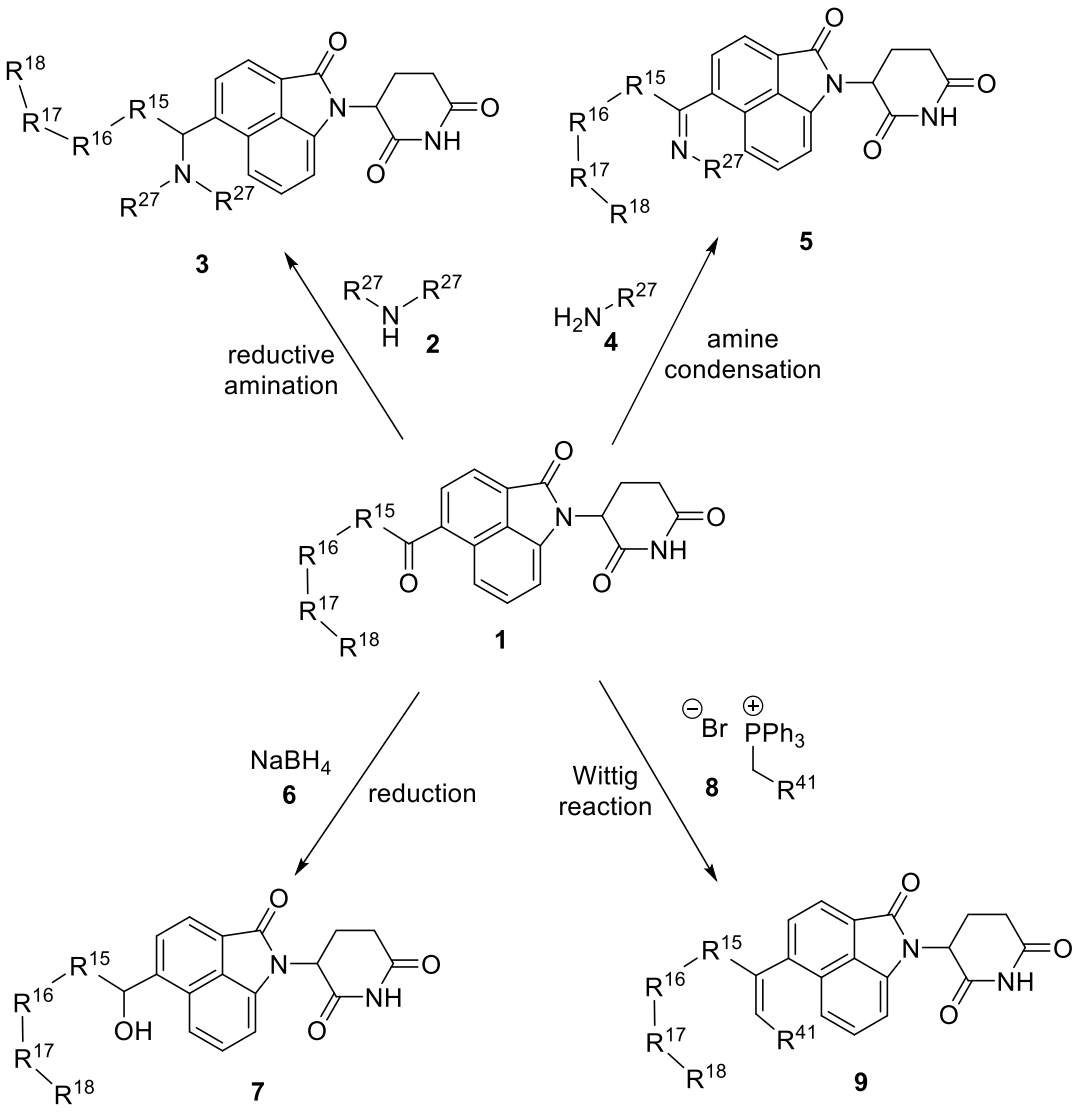
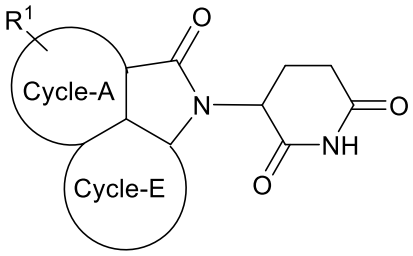
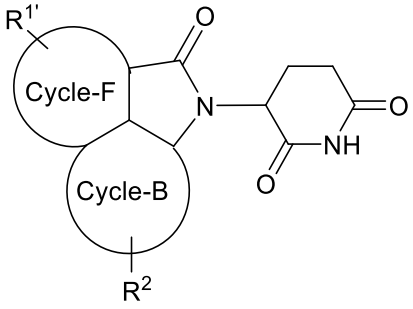

3
5
2
4
reductive amination
amine condensation
1
NaBH4
6
reduction
Wittig reaction
8
7
9

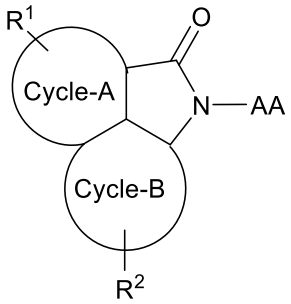
FIG. 2



(XV)



(XVI)



(XVII)

FIG. 3