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The Design and Synthesis of Luminescent Iridium and Platinum Complexes featuring Bi-, Tri- and Tetra-dentate Ligands

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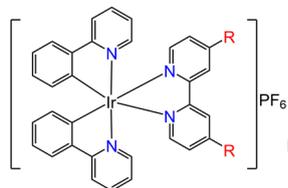
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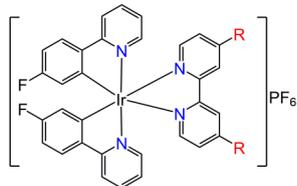
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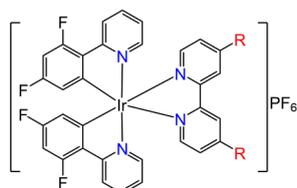
Chapter 2 Complexes



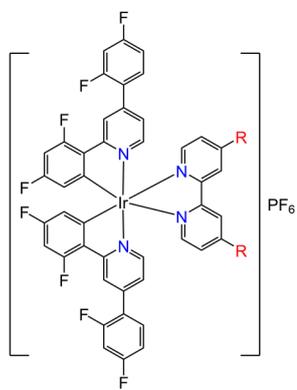
R = H (1)
R = OMe (4)
R = Me (7)
R = NMe₂ (10)



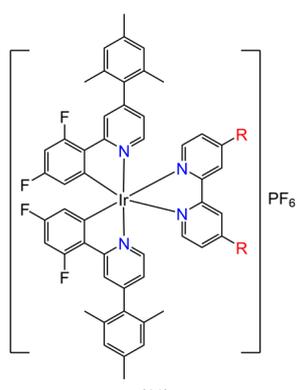
R = H (2)
R = OMe (5)
R = Me (8)
R = NMe₂ (11)



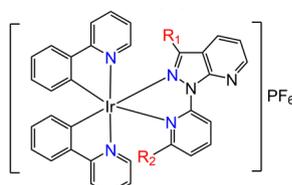
R = H (3)
R = OMe (6)
R = Me (9)
R = NMe₂ (12)



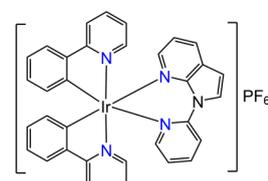
R = H (13)
R = Me (14)
R = OMe (15)



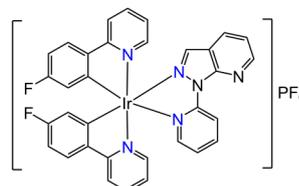
R = H (16)
R = Me (17)
R = OMe (18)



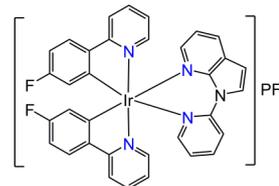
R₁ = R₂ = H (19)
R₁ = Me, R₂ = H (26)
R₁ = H, R₂ = Me (27)



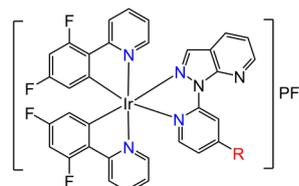
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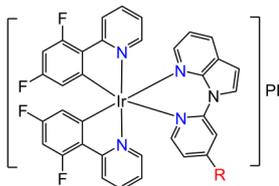
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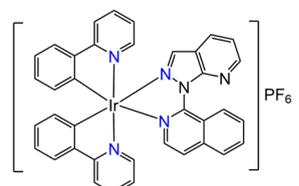
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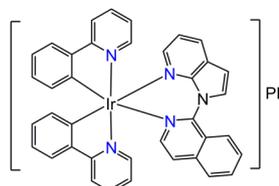
R = H (21)
R = NMe₂ (22)
R = CF₃ (23)



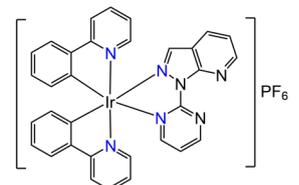
R = H (30)
R = NMe₂ (31)
R = CF₃ (32)



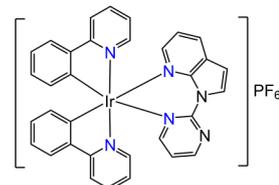
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(33)

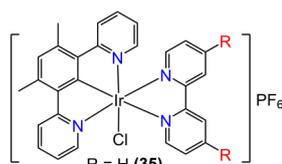


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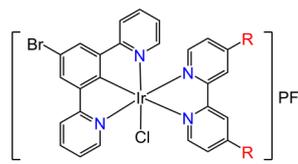


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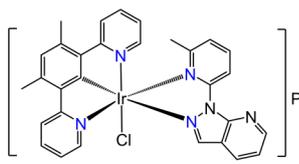
Chapter 3 Complexes



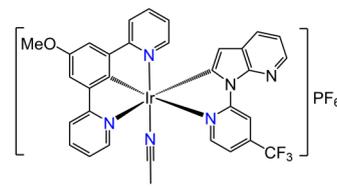
R = H (35)
R = OMe (36)
R = Me (37)



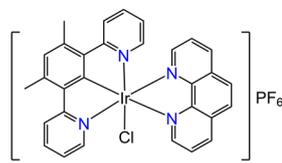
R = H (43)
R = OMe (44)
R = Me (45)



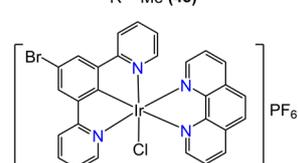
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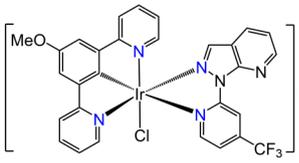
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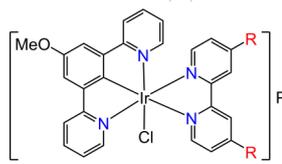
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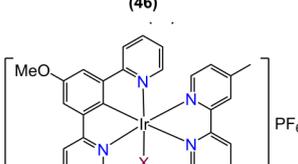
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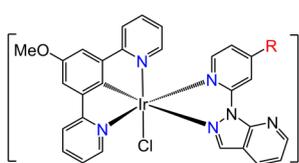
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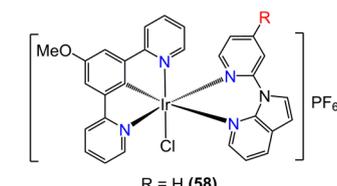
R = H (39)
R = OMe (40)
R = Me (41)



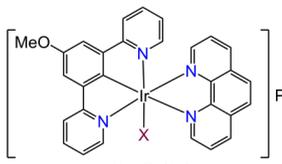
X = Cl (41)
X = CPh (49)
X = CN (50)



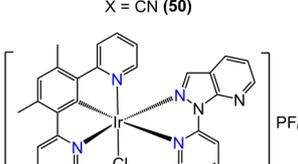
R = H (54)
R = CF₃ (55)



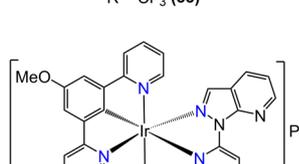
R = H (58)
R = CF₃ (86)



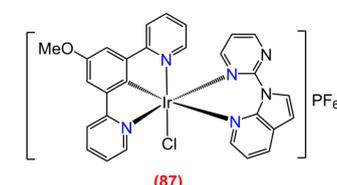
X = Cl (42)
X = CPh (47)
X = CN (48)



(51)



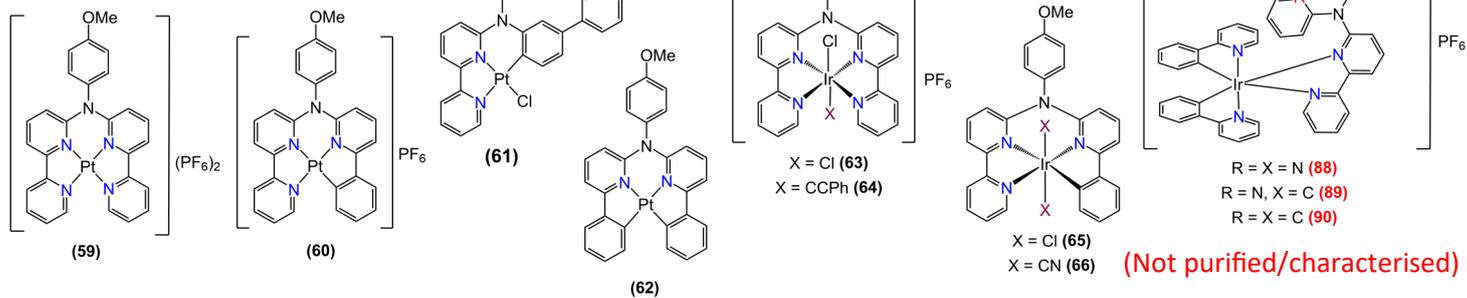
(56)



(87)

(Not purified/characterised)

Chapter 4 Complexes



Chapter 5 Complexes

