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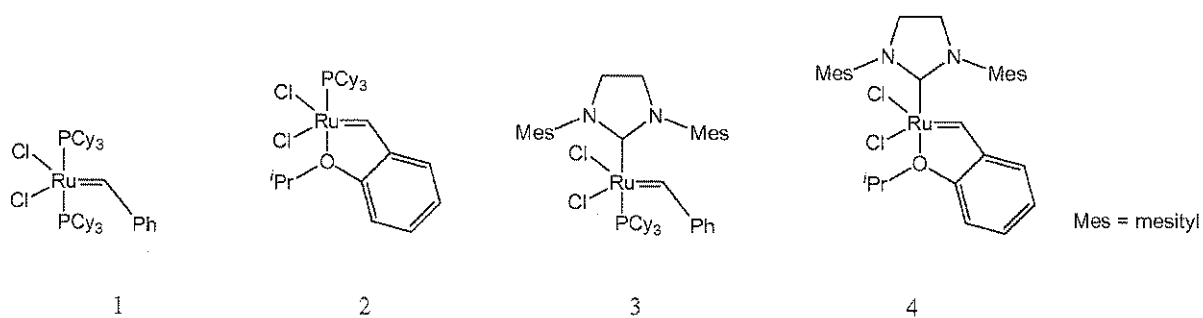


Figure 1. Typical Grubbs' Catalysts

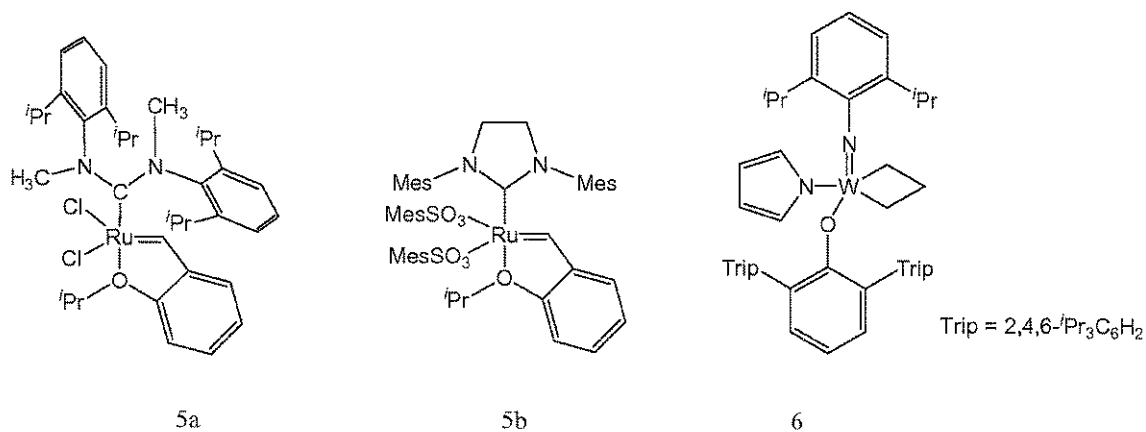


Figure 2. Recently Reported Olefin Metathesis Catalysts

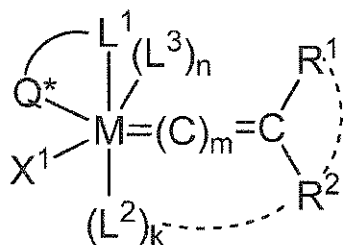


Figure 3. General structure of Z selective olefin metathesis catalyst

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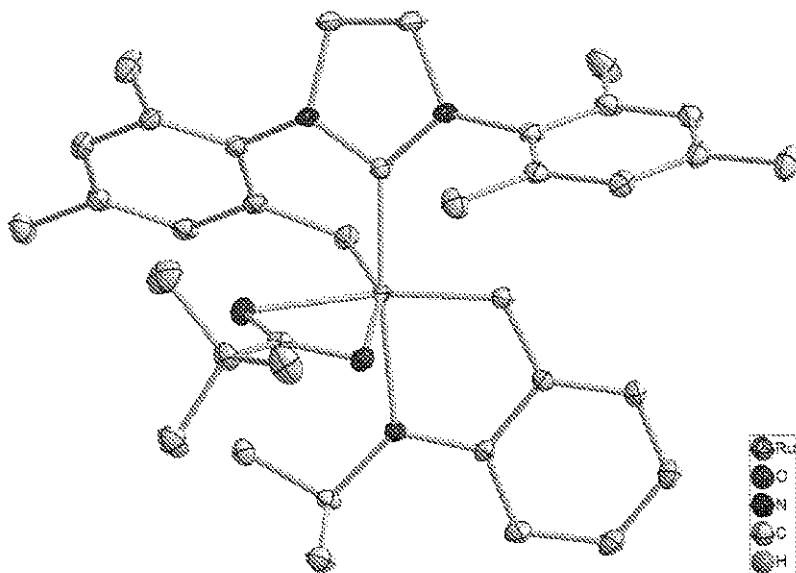


Figure 4. X-ray crystal structure of complex 7a

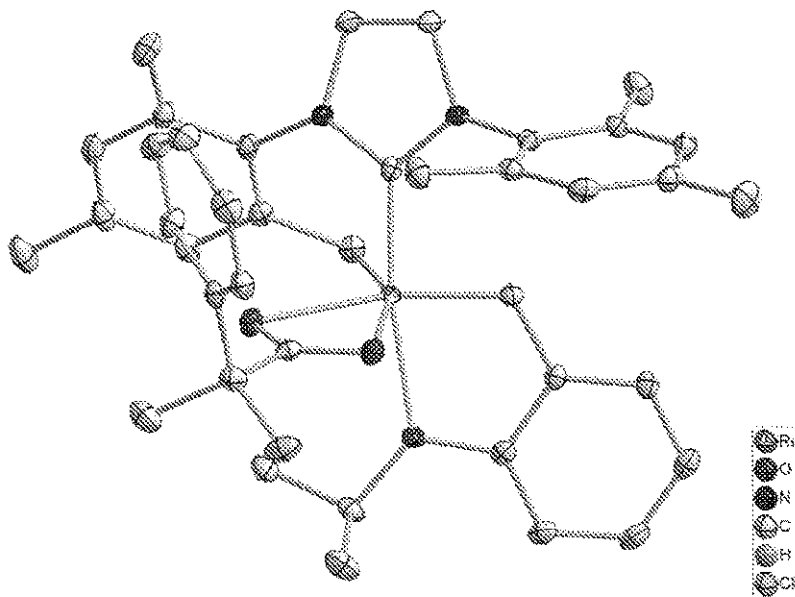


Figure 5. X-ray crystal structure of complex 7b

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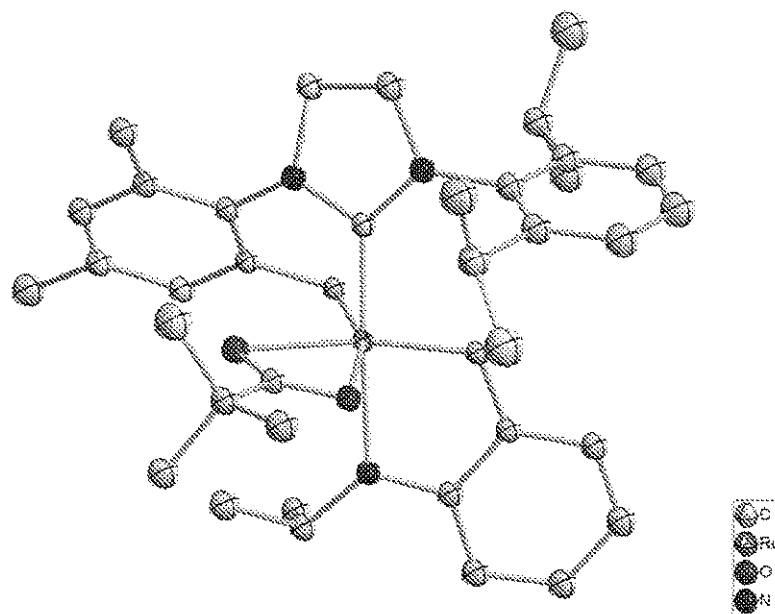


Figure 6. X-ray crystal structure of complex 11

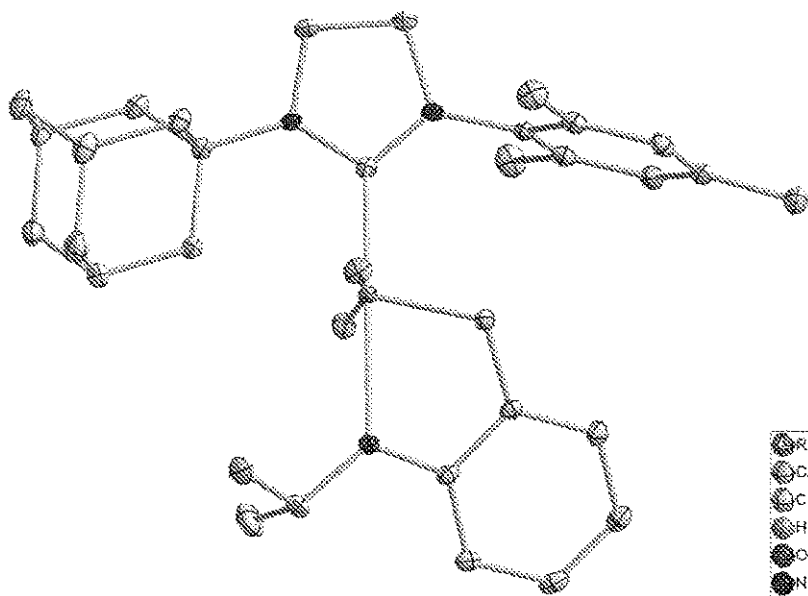


Figure 7. X-ray crystal structure of complex 18a

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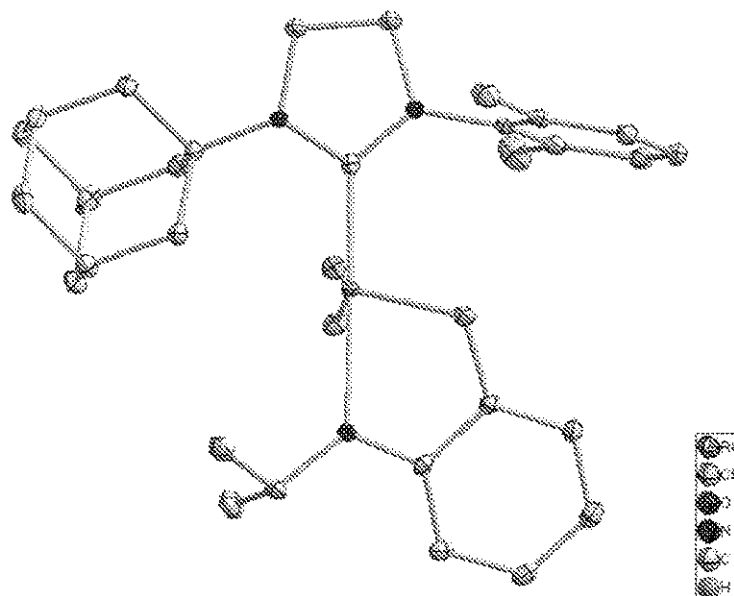


Figure 8. X-ray crystal structure of complex 18b

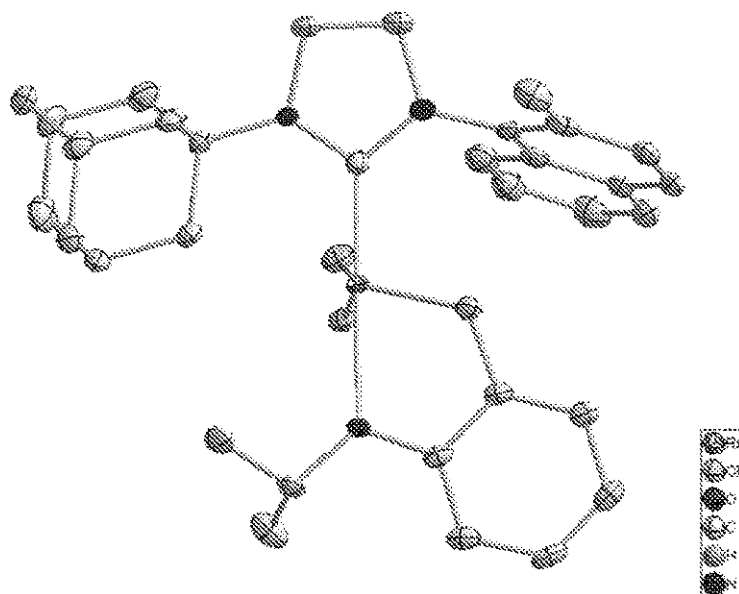
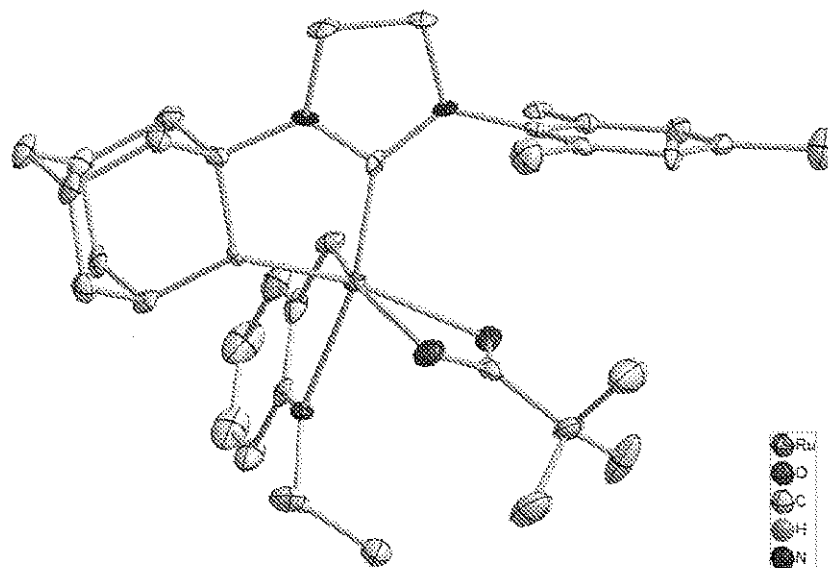
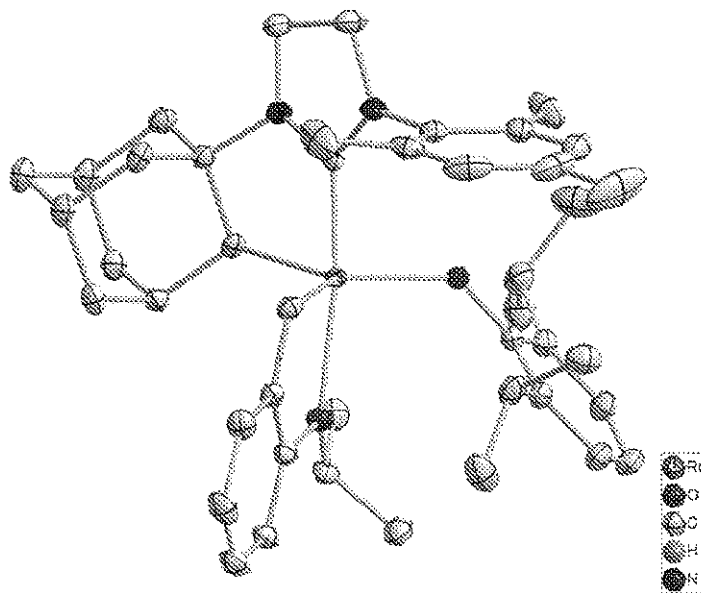


Figure 9. X-ray crystal structure of complex 18c

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Figure 10. X-ray crystal structure of complex **19a**Figure 11. X-ray crystal structure of complex **21a**

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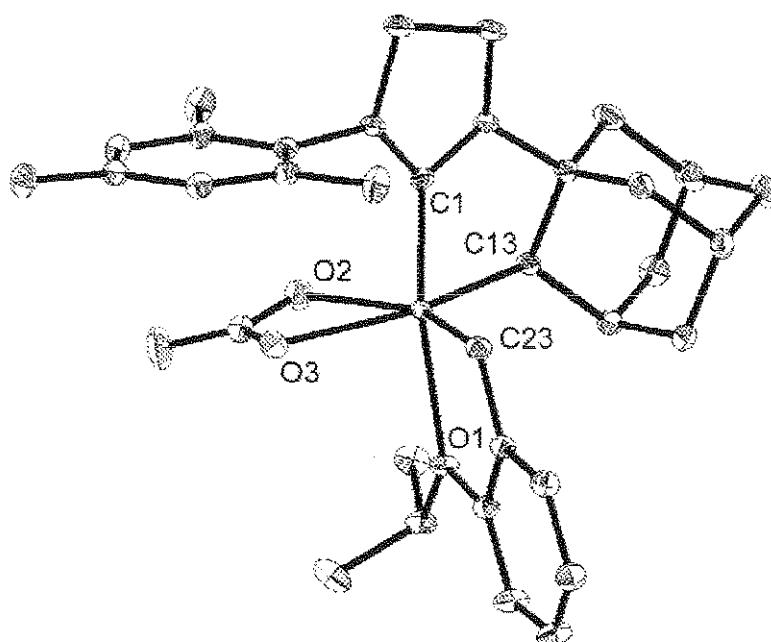


Figure 12. X-ray crystal structure of complex 22e

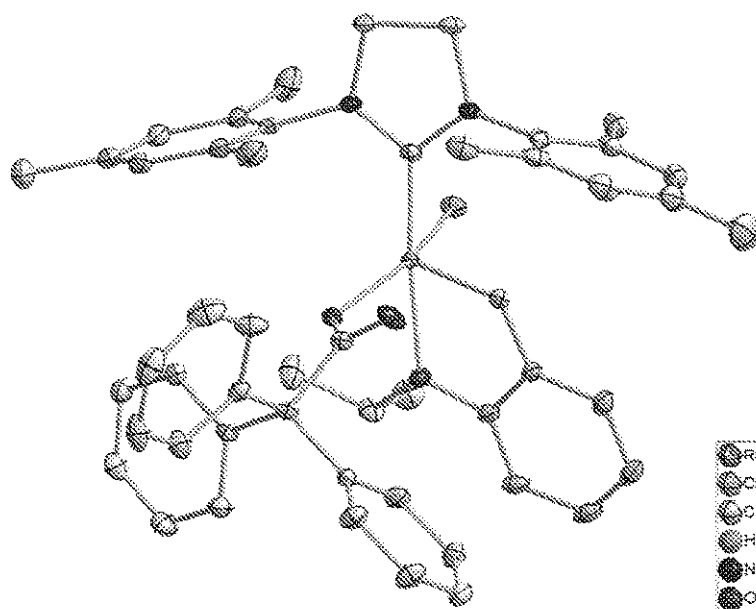


Figure 13. X-ray crystal structure of complex 24d