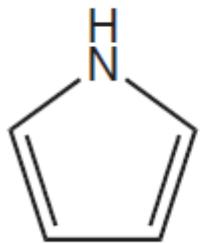
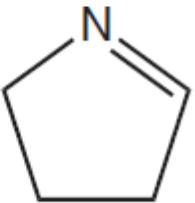


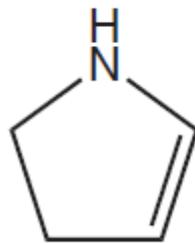
İlaçlarda Bulunan Çeşitli Heterohalkalı Yapılar ve Sentezleri



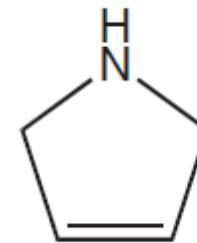
Pirol



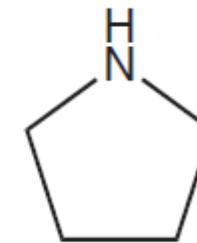
1-Pirolin



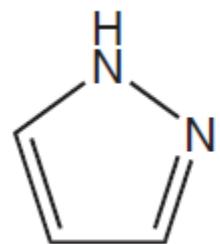
2-Pirolin



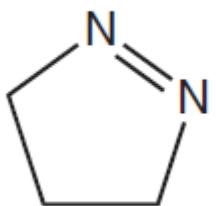
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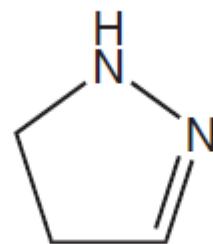
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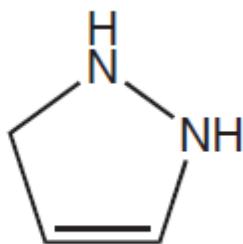
Pirazol



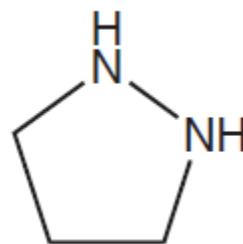
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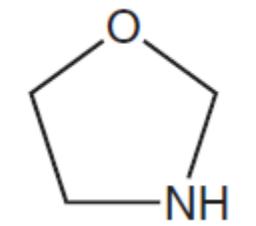
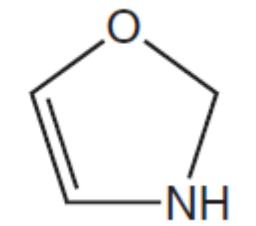
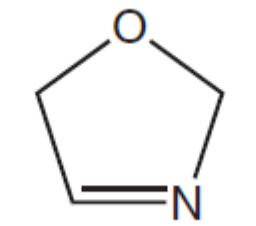
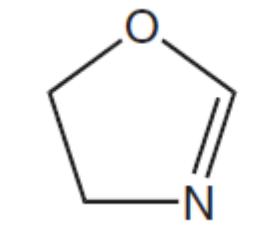
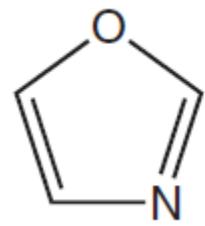
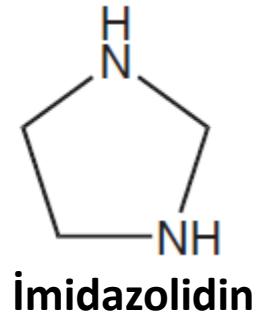
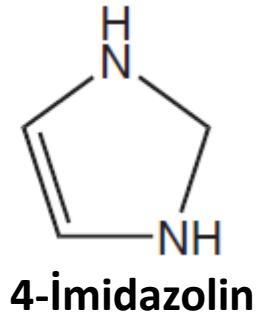
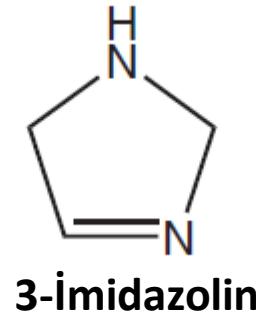
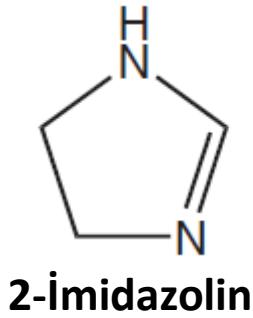
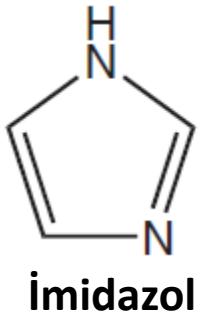
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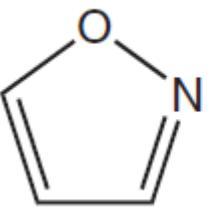


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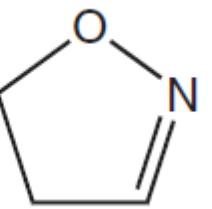


Pirazolidin

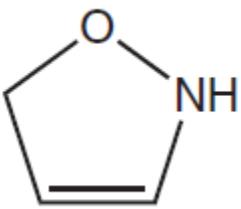




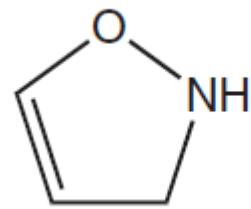
izoksazol



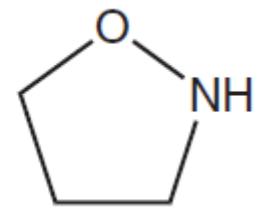
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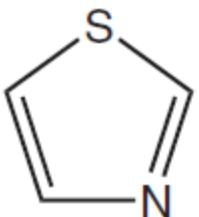
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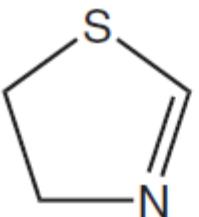
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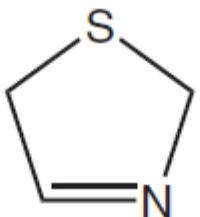
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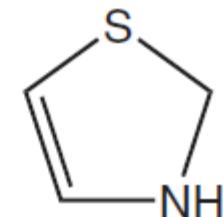
Tiyazol



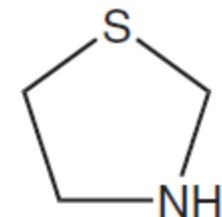
2-Tiyazolin



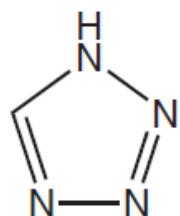
3-Tiyazolin



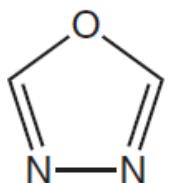
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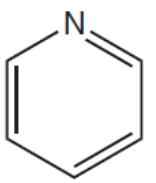
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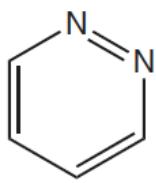
1H-Tetrazol



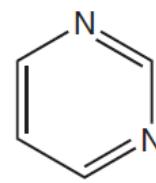
1,3,4-Oksadiazol



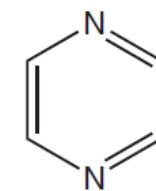
Piridin



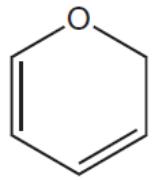
Piridazin



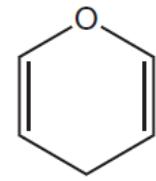
Pirimidin



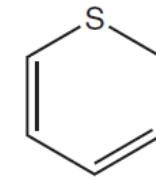
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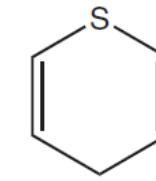
2H-Piran



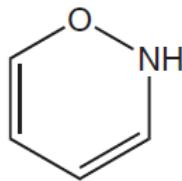
4H-Piran



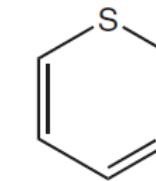
2H-Tiyopiran



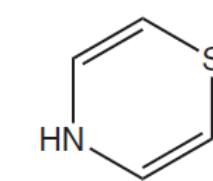
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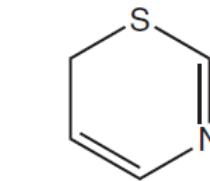
2H-1,2-Oksazin



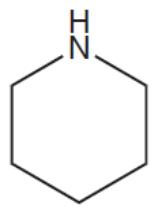
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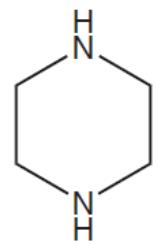
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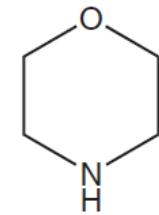
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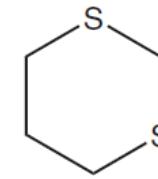
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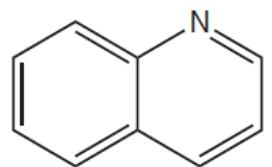
Piperazin



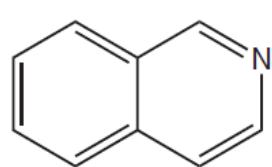
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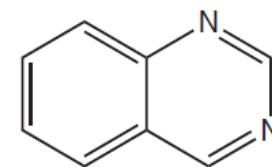
1,3-Ditiyan



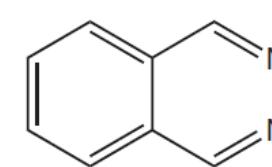
Kinolin



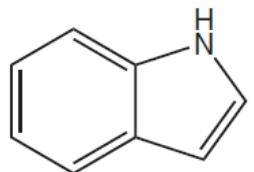
İzokinolin



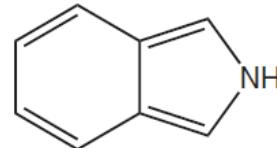
Kinazolin



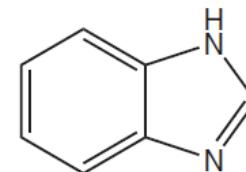
Ftalazin



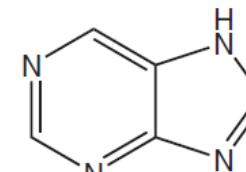
1H-İndol



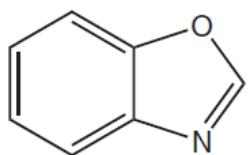
2H-İzoindol



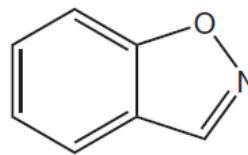
1H-Benzimidazol



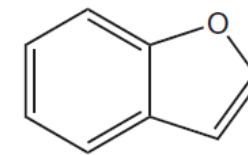
Pürin



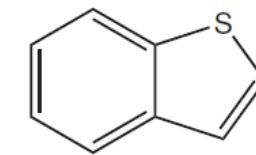
Benzokazol



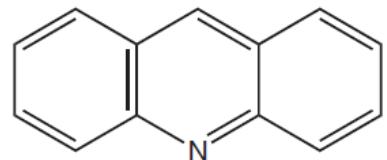
Benizoksazol



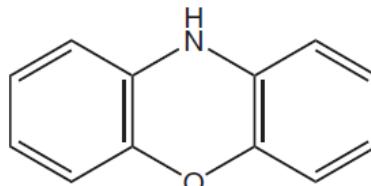
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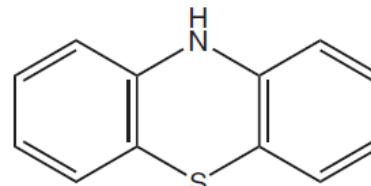
Benzotiyofen



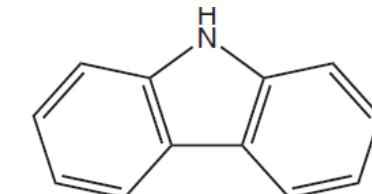
Akridin



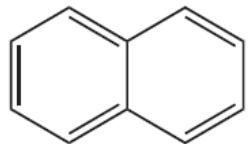
10H-Fenoksazin



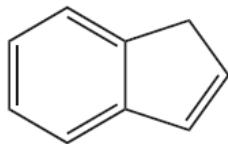
10H-Fenotiyazin



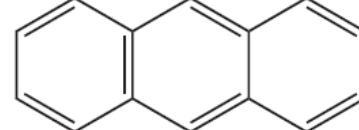
9H-Karbazol



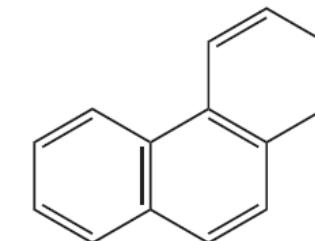
Naftalen



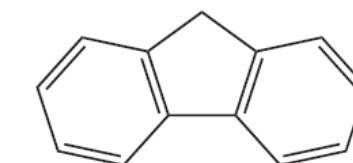
İnden



Antrasen

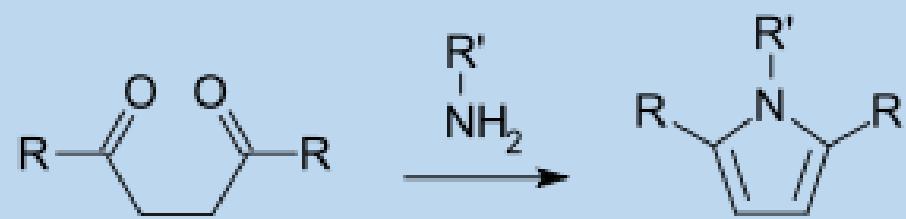
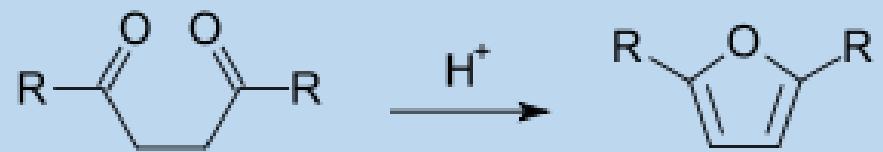


Fenantren

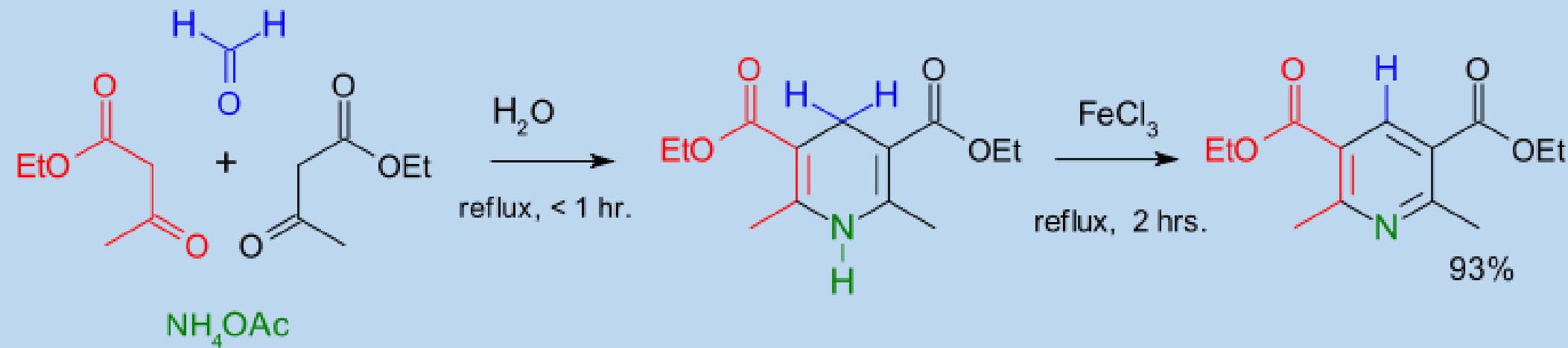


9H-Fluoren

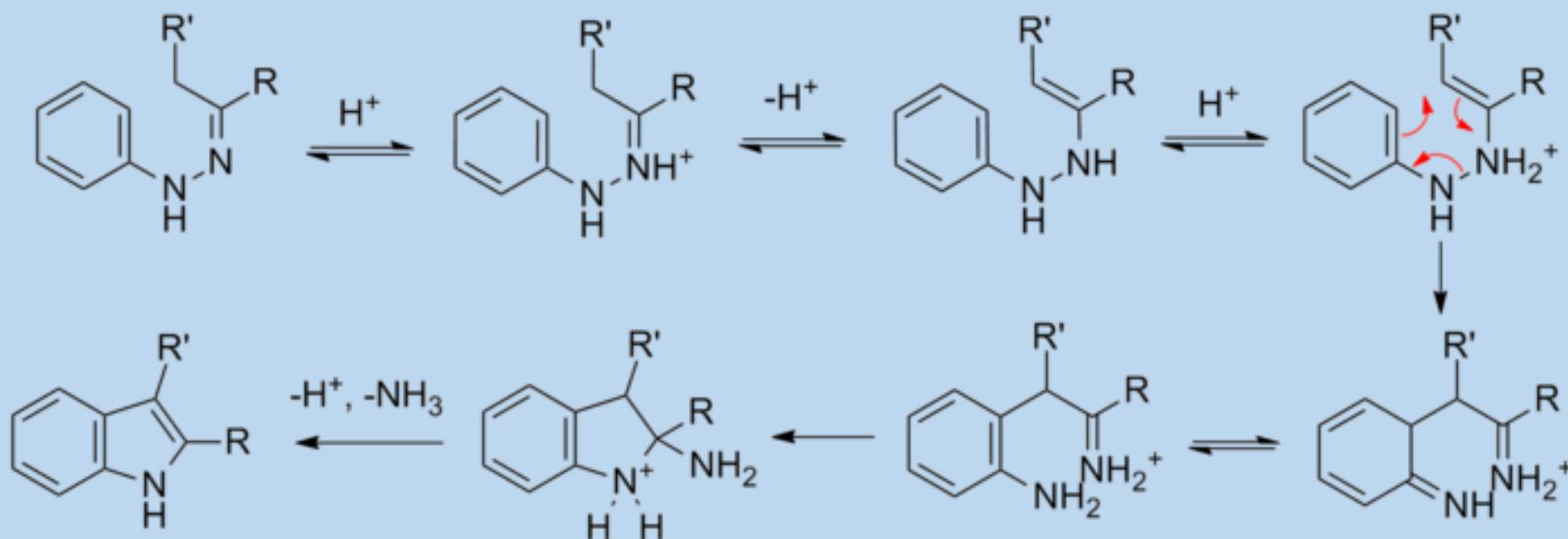
Paal–Knorr Sentezleri



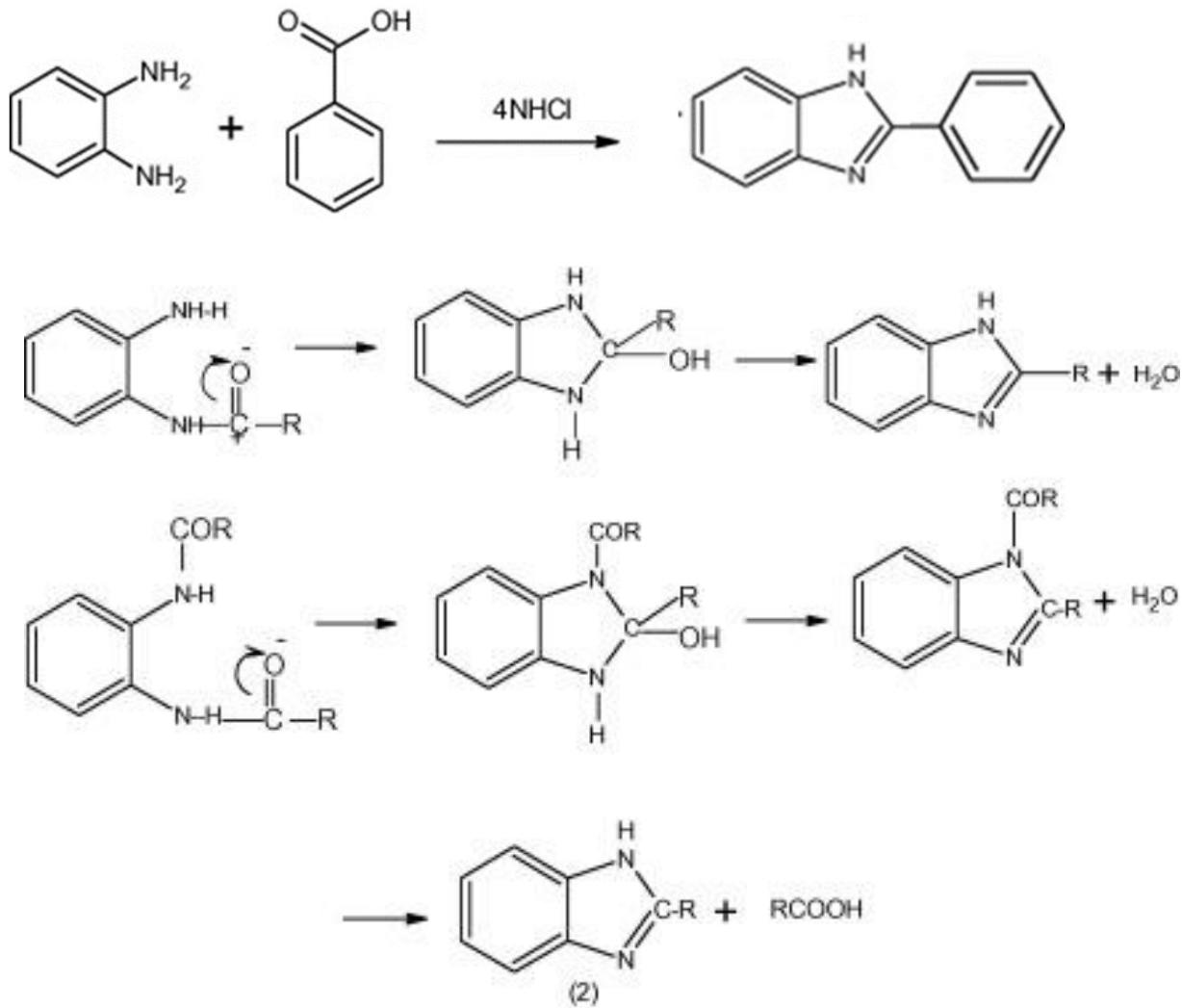
Hantzsch Piridin Sentezi



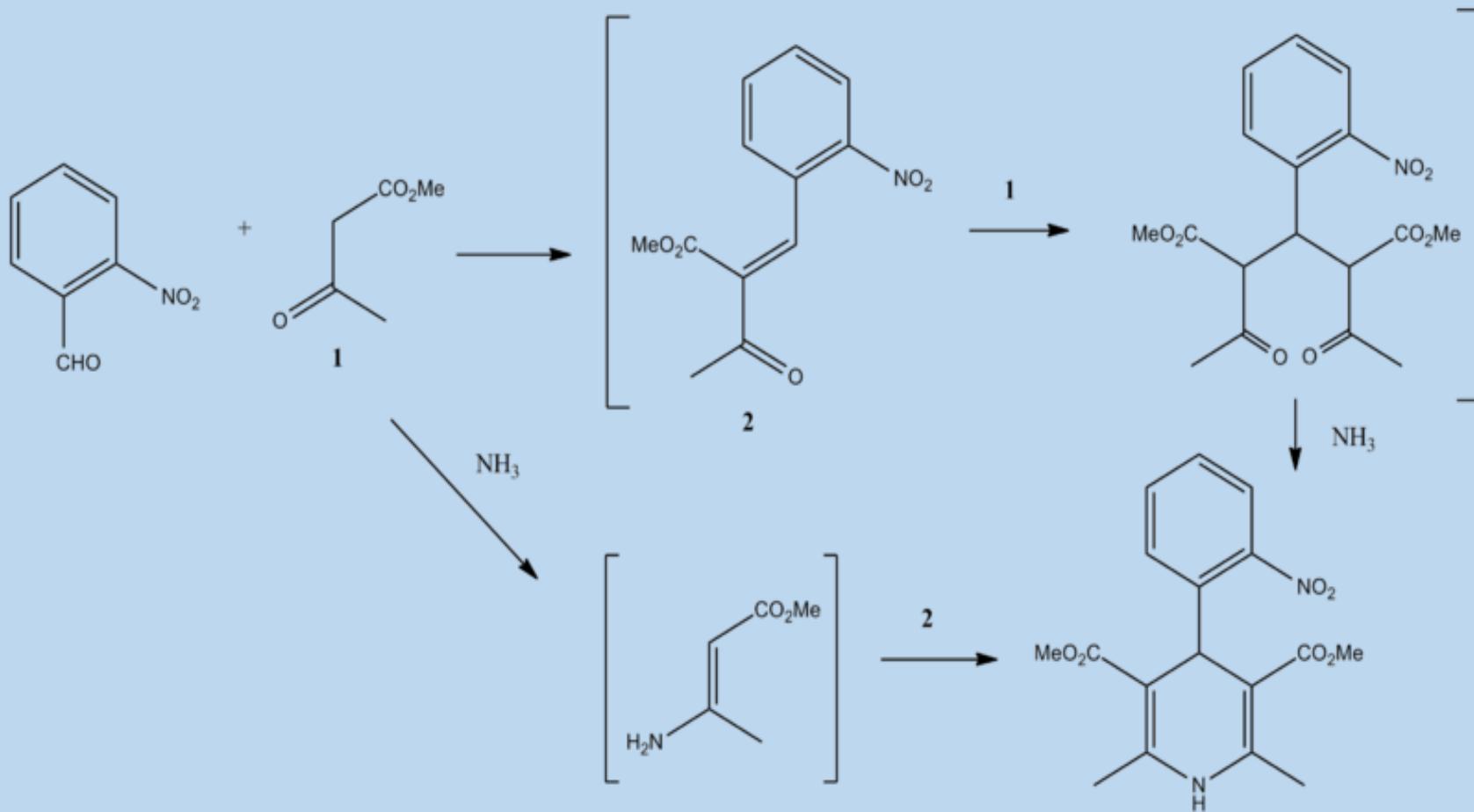
Fischer İndol Sentezi



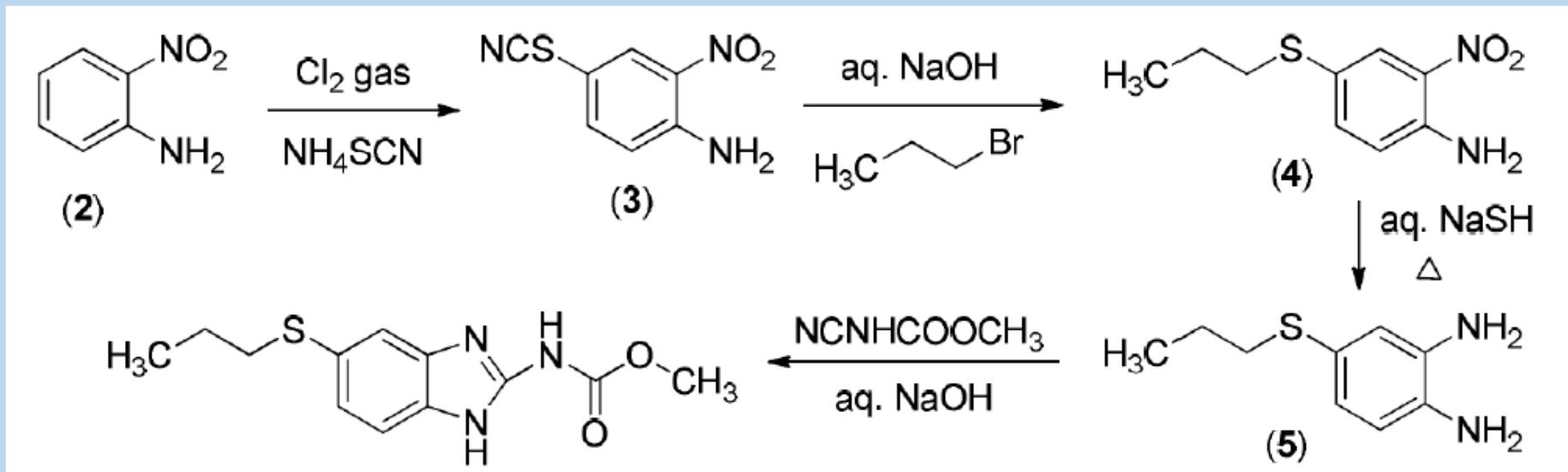
Phillips Benzimidazol Sentezi



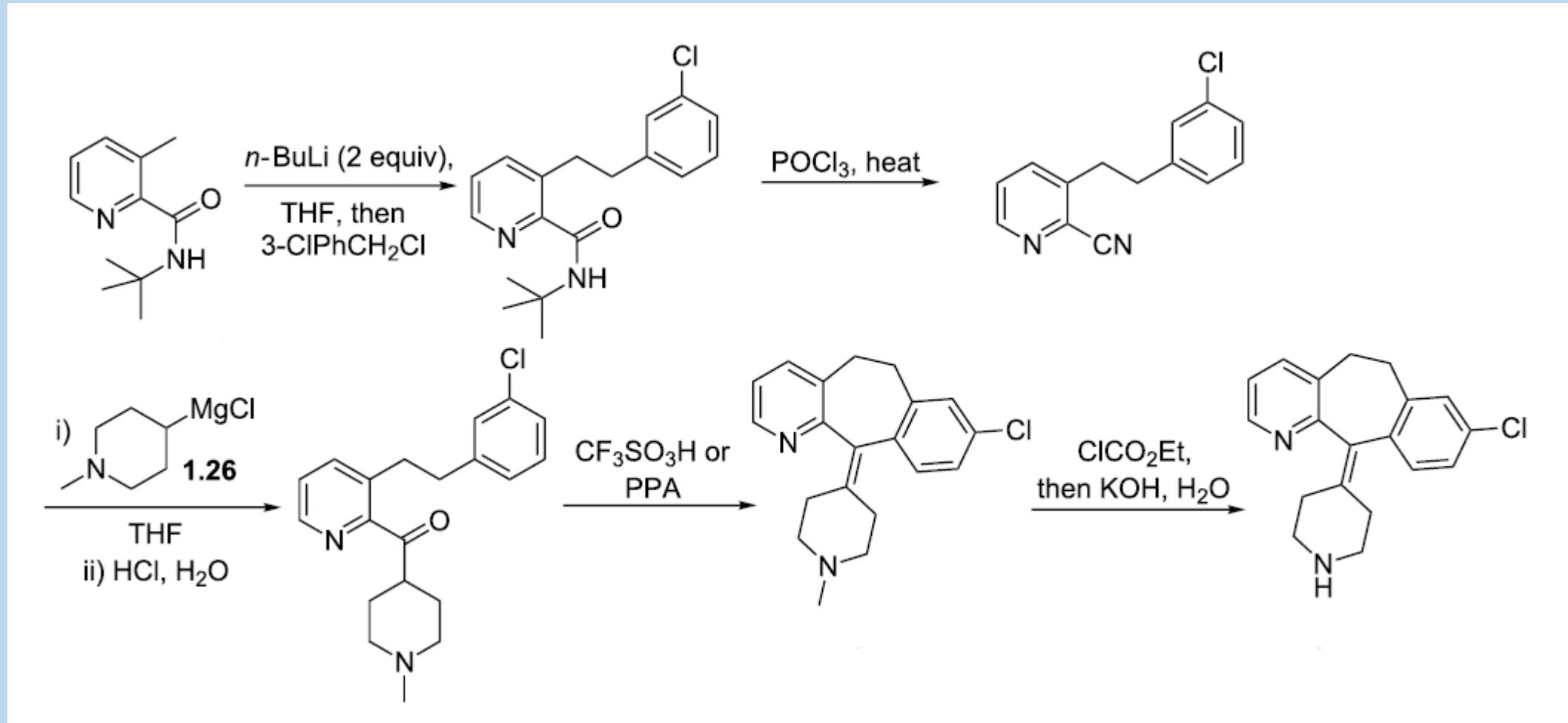
Nifedipin Sentezi



Albendazol Sentezi



Klarineks Sentezi



Kaynaklar

- 1) *Organic Chemistry Concepts and Applications for Medicinal Chemistry*,
Joseph Rice; Academic Press, 2014.
- 2) *Beilstein J. Org. Chem.* **2013**, 9, 2265–2319.
- 3) *Beilstein J. Org. Chem.* **2011**, 7, 442–495.