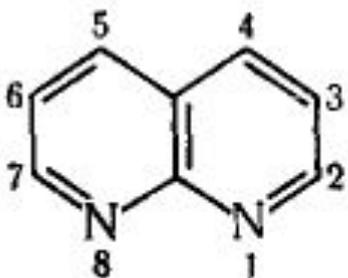


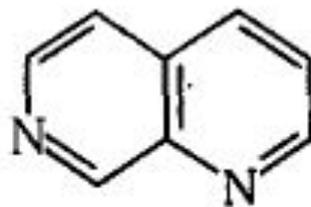
# Методы получения нафтиридинов (всех изомеров)

Выполнила  
Хлуднева Л.

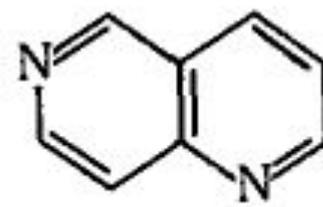
# Нафтиридины



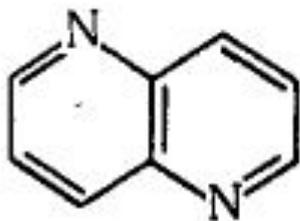
1,8-



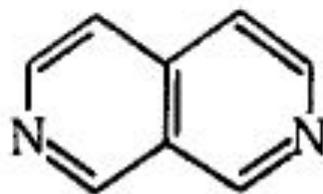
1,7-



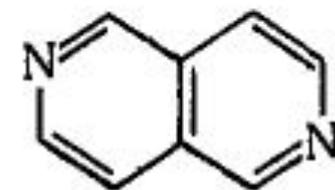
1,6-



1,5-

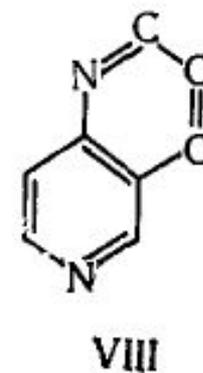
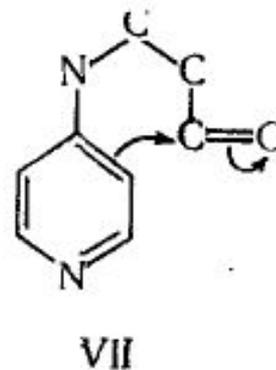
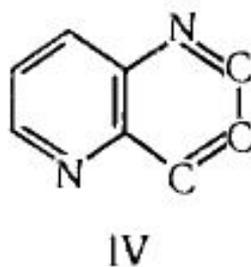
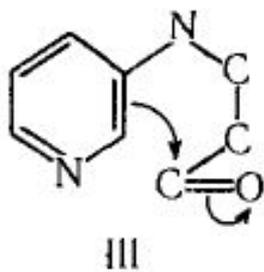
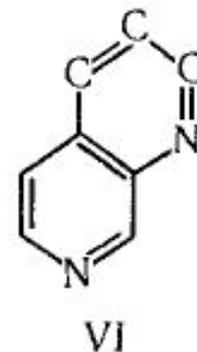
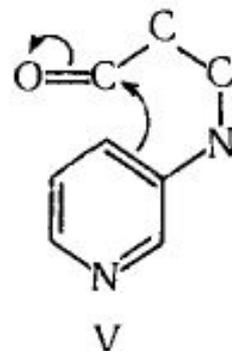
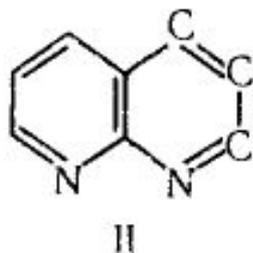
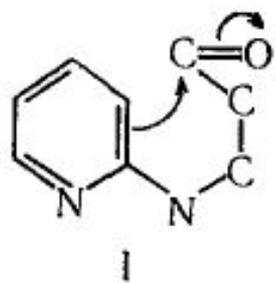


2,7-

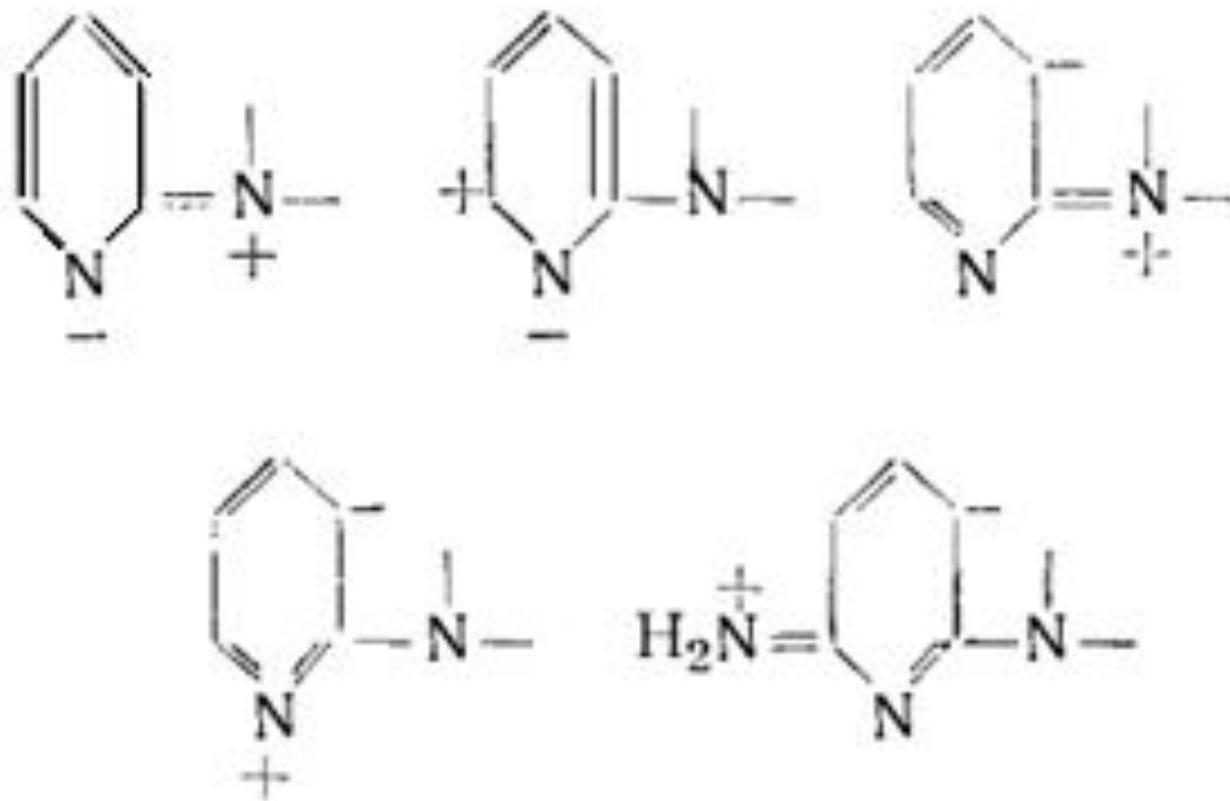


2,6-

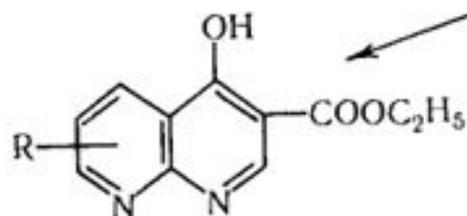
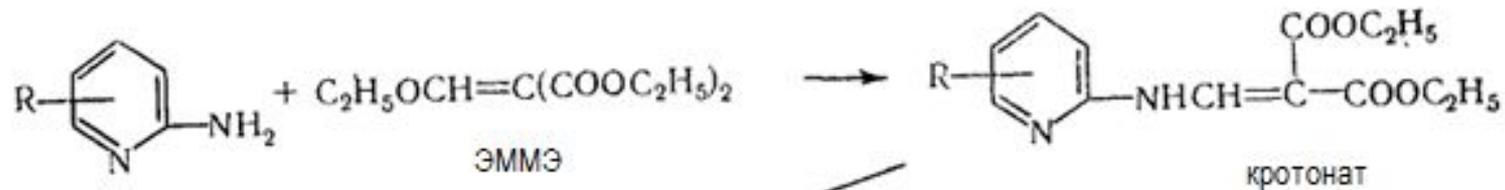
# Циклизация с образованием пиридинового кольца.



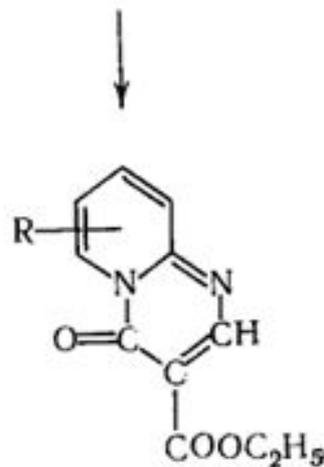
# Циклизация производных 2-аминопиридина: 1,8-нафтиридины



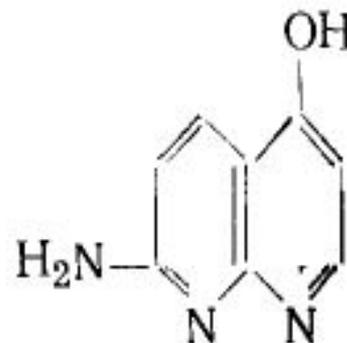
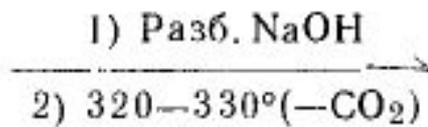
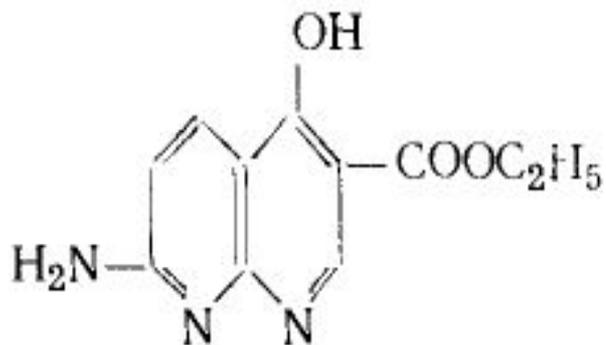
# Синтезы на основе ЭММЭ



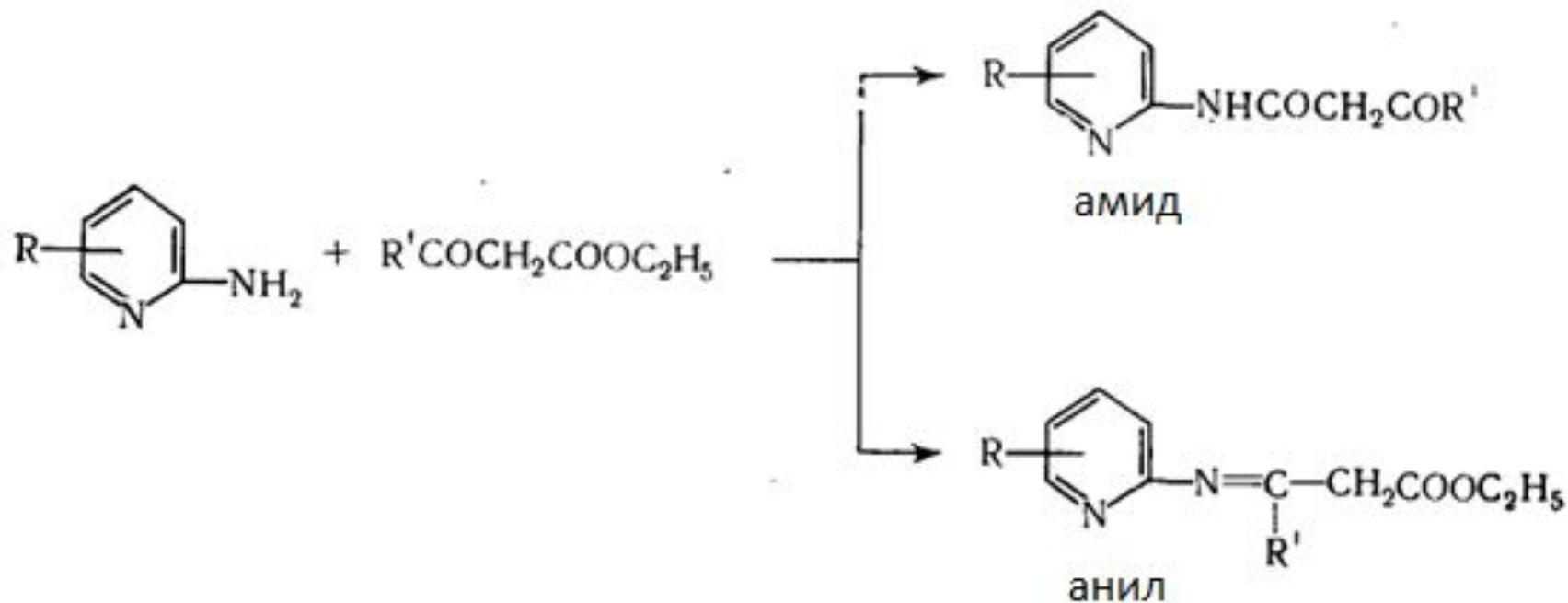
3-карбэтоксн-4-оксн-1,8 нафтирндын

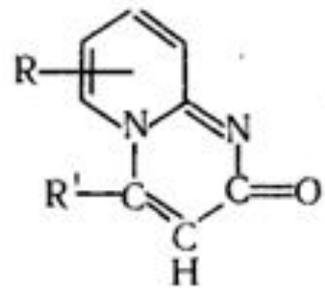


пнрнмндын



# Синтезы на основе β-кетэфиров. Методы Кнорра и Конрада-Лимпах

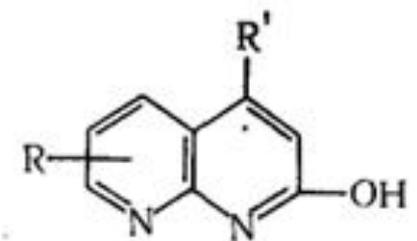




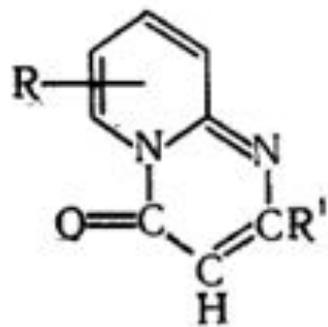
пиримидин



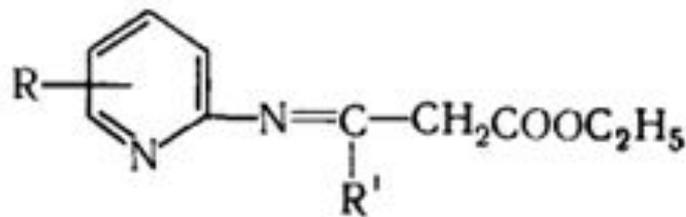
амид



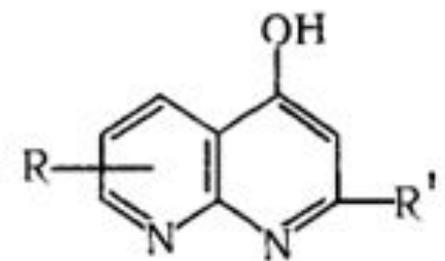
2-окси-1,8-нафтиридина



пиримидин

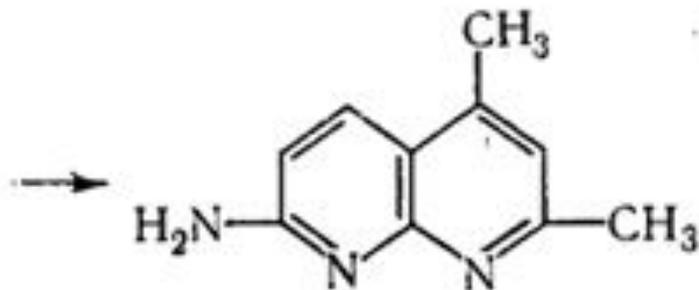
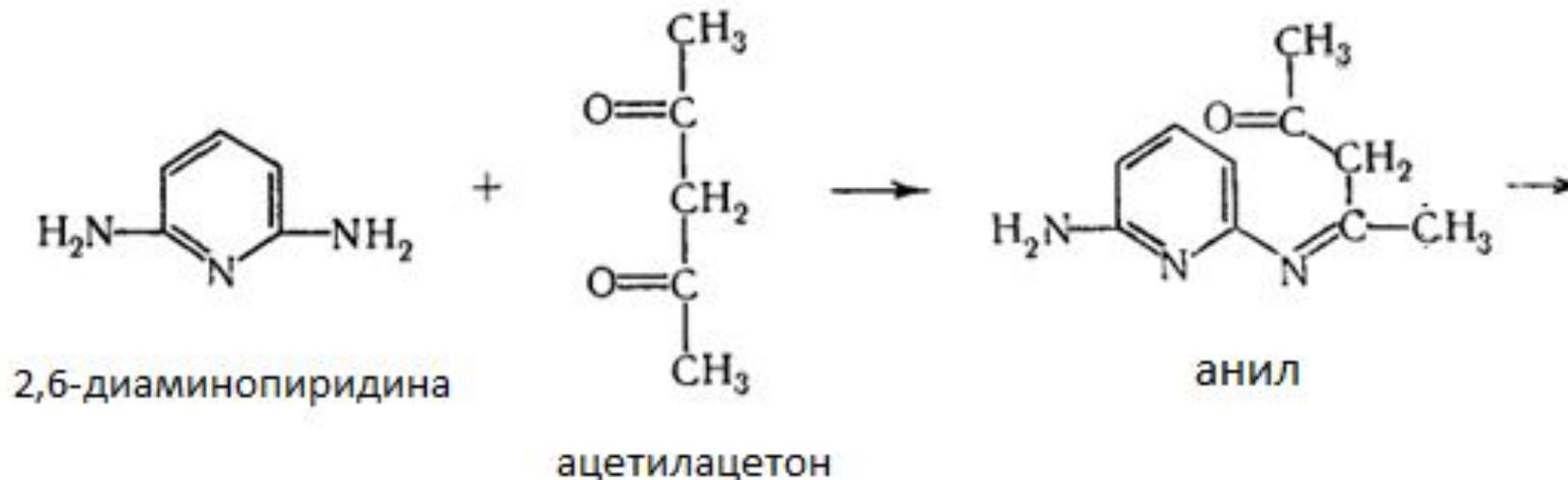


анил



4-окси-1,8-нафтиридин

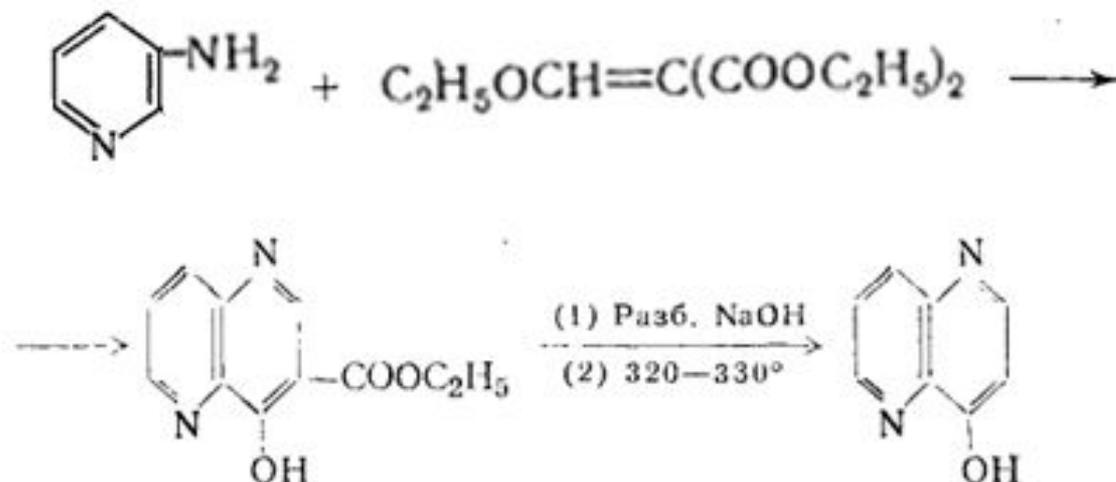
# Синтез на основе β-дикетонов. Метод Комба.



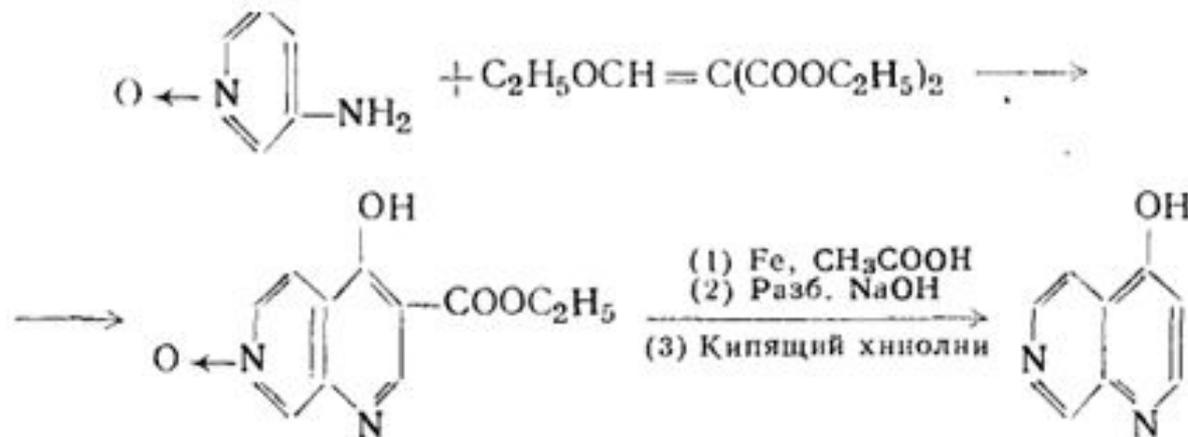
2,4-диметил-7-амино-1,8-нафтиридин

# Циклизация производных 3-аминопиридина: 1,5-нафтиридины

## Метод с применением ЭММЭ.

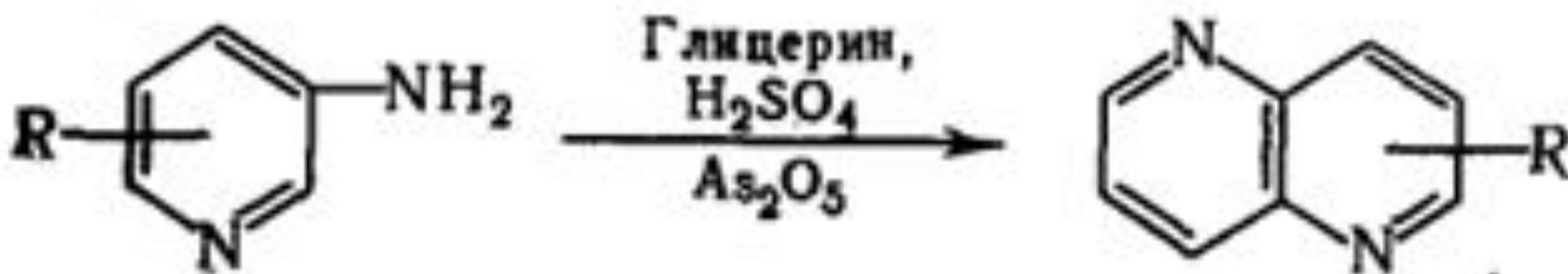


3-карбэтокси-4-окси-1,5-нафтиридин

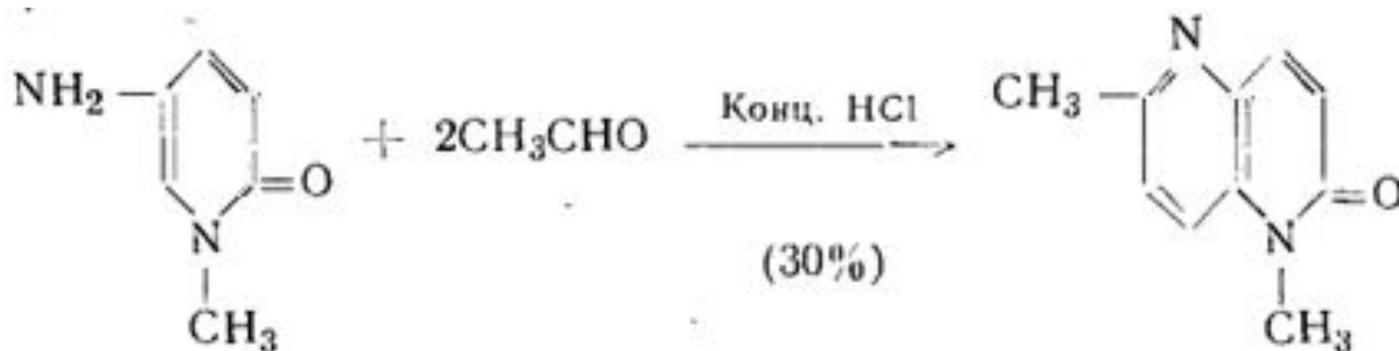
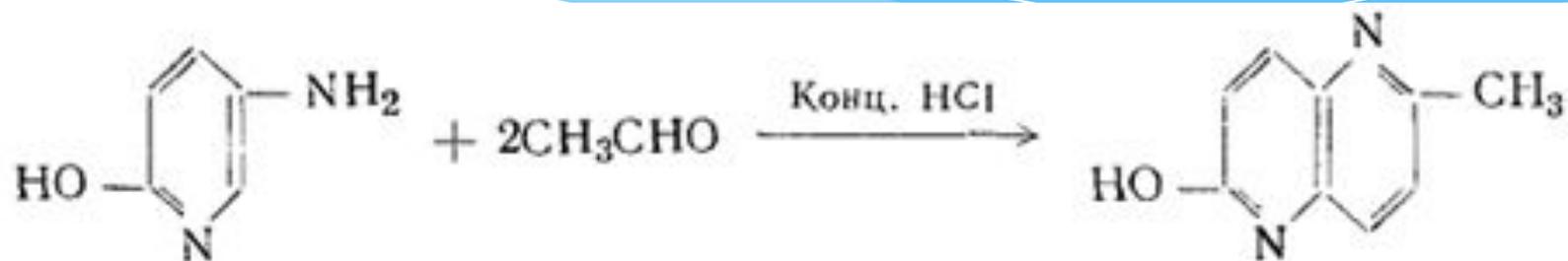


1,7-нафтиридин

# Реакция Скраупа.

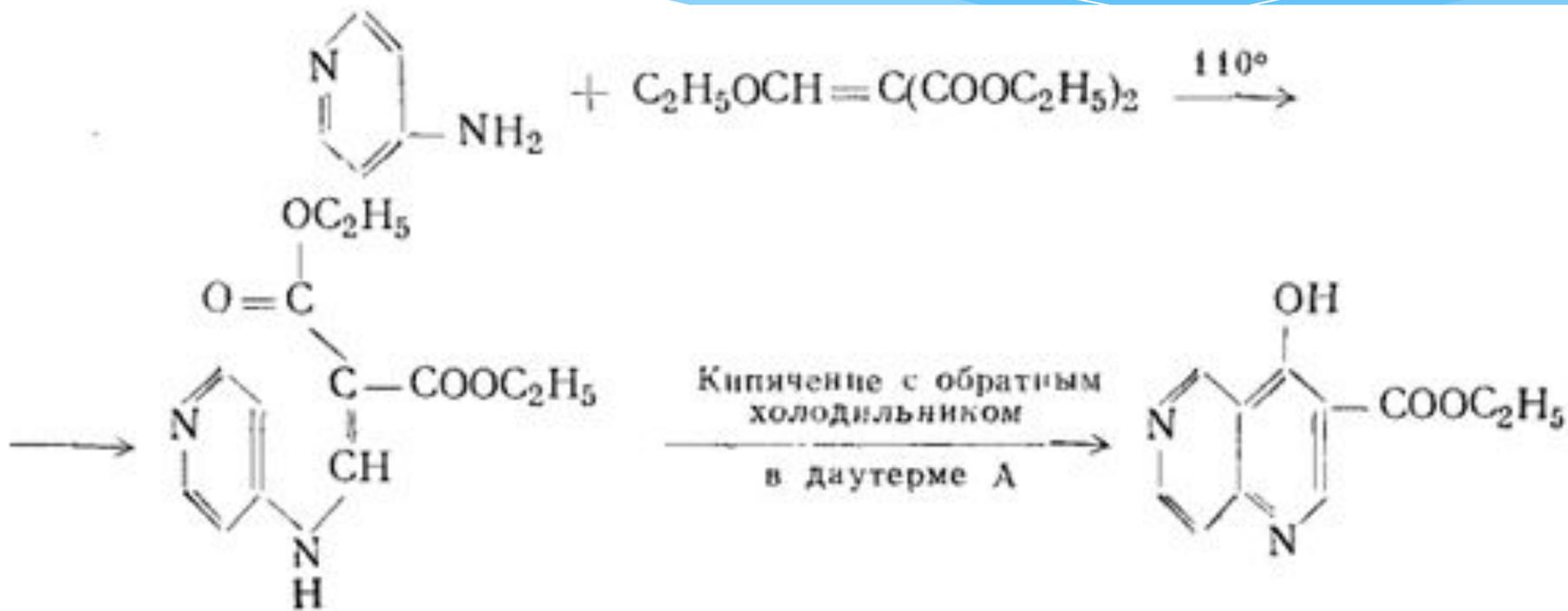


# Реакция Дёбнера-Миллера.

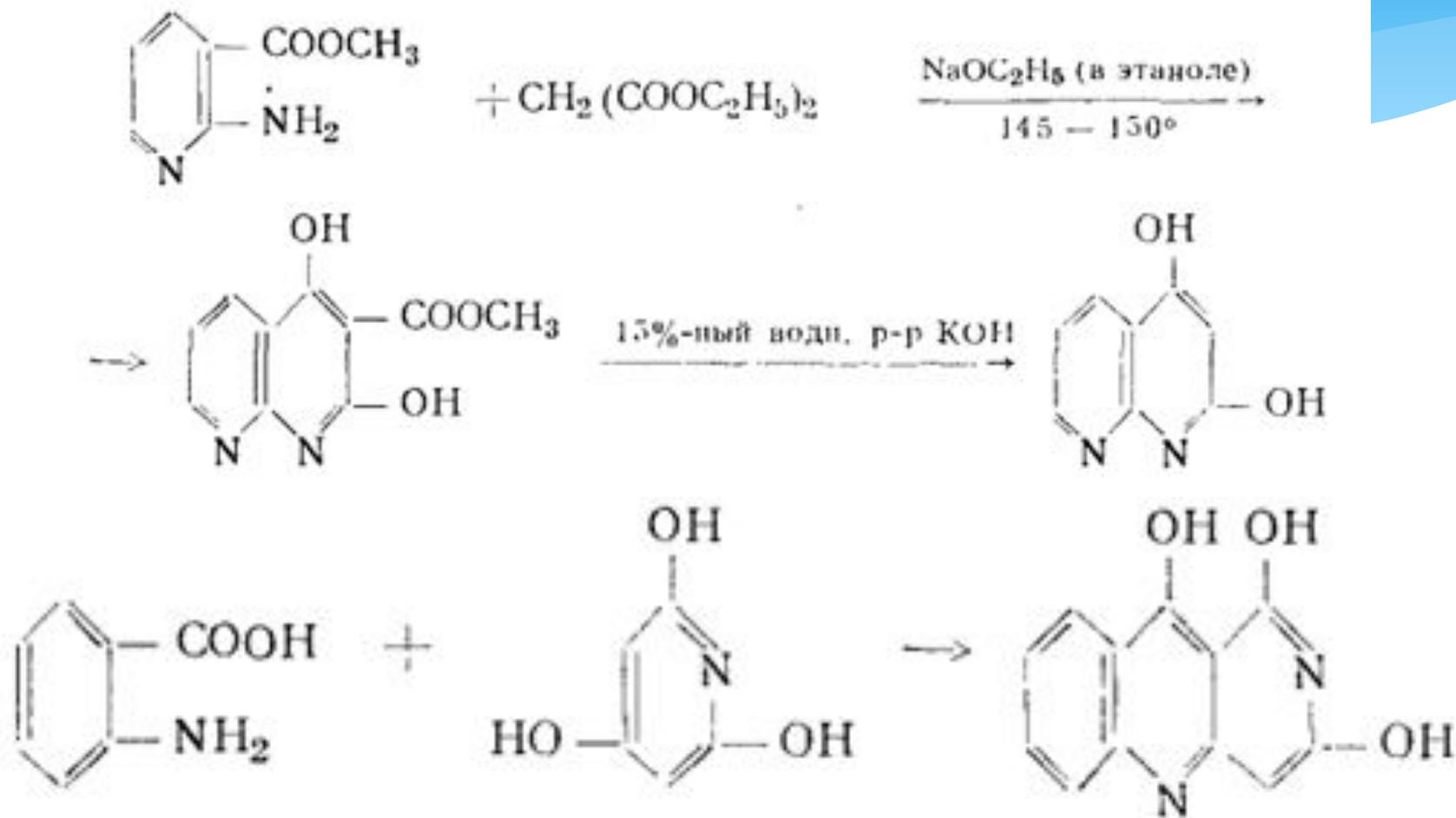


# Циклизация производных 4-аминопиридина: 1,6-нафтиридины.

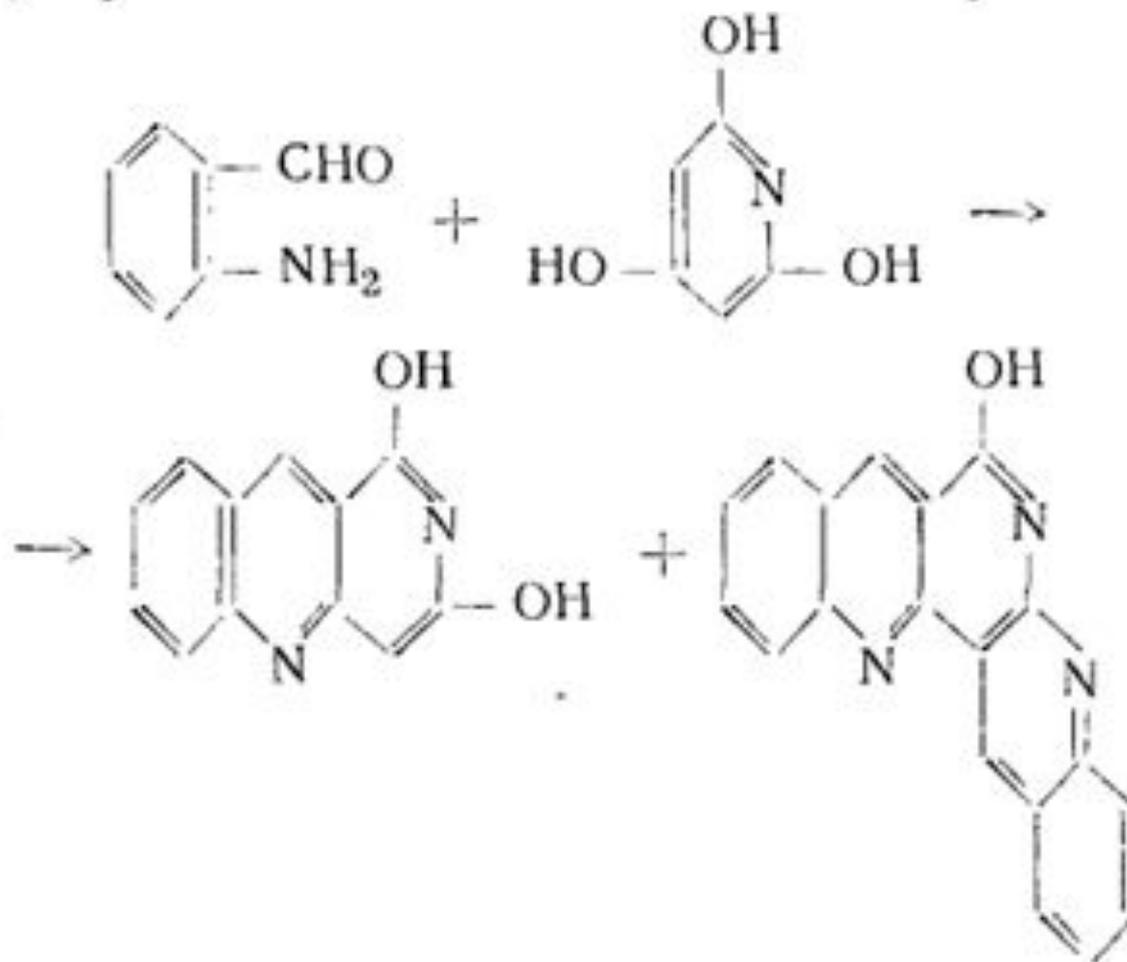
Метод на основе ЭММЭ.



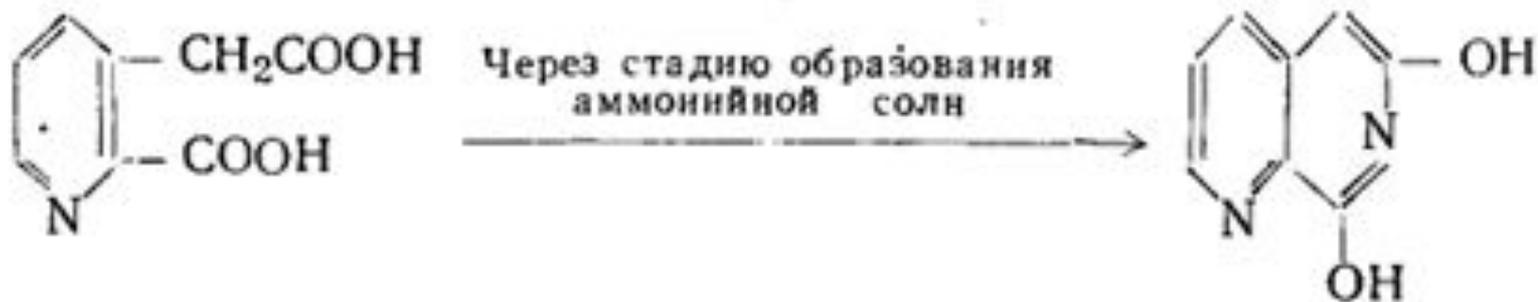
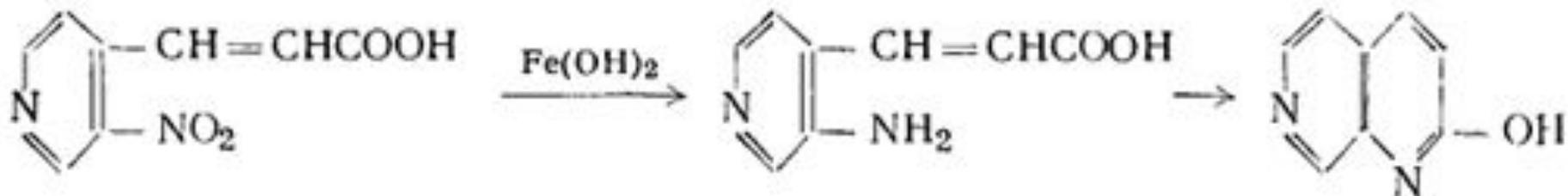
Циклизация орто-дизамещенных соединений. Синтезы на основе о-аминопиридинкарбоновых кислот или антраниловой кислоты.  
Метод Ниментовского.



# Синтезы с анраниловым альдегидом. Реакция Фридлиндера.



# Внутримолекулярные синтезы с образованием лактама.



# Разнообразные синтезы.

