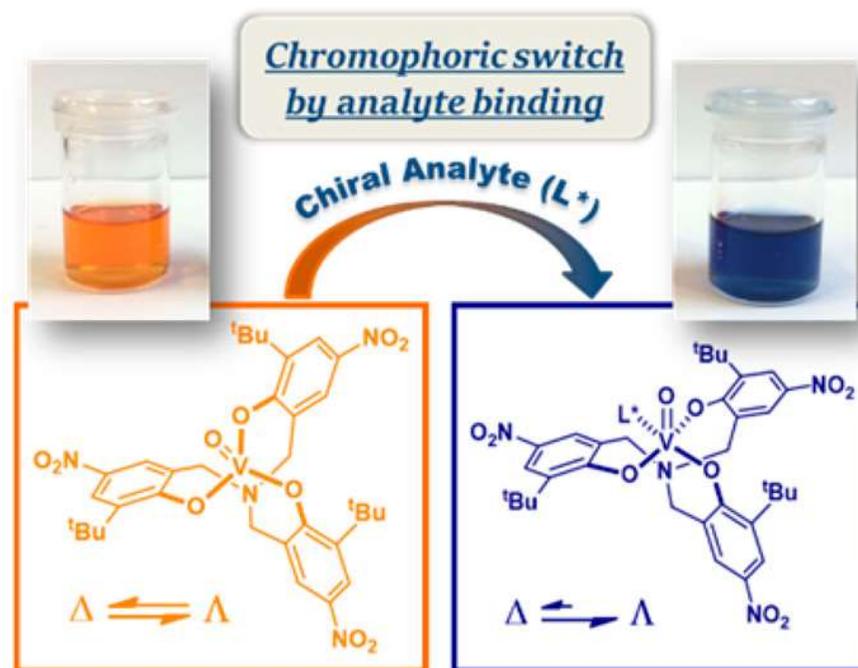
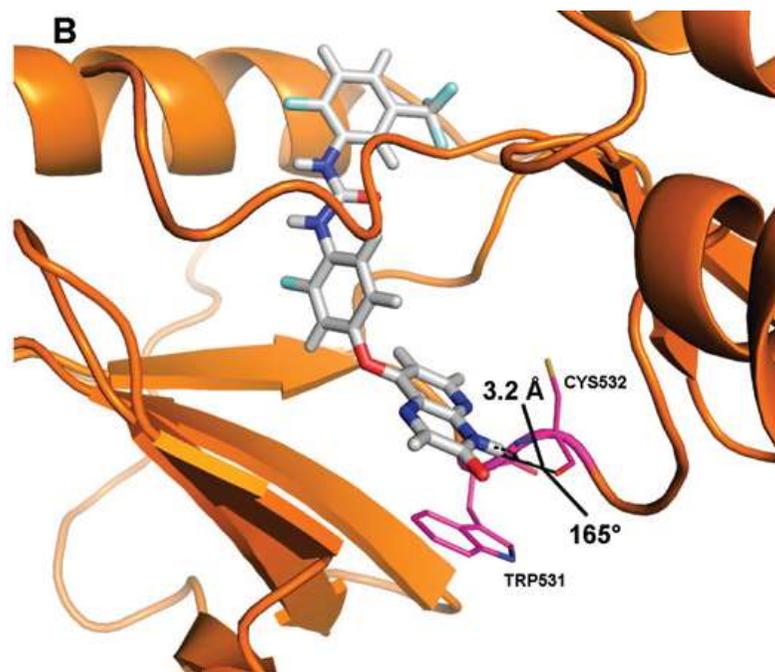
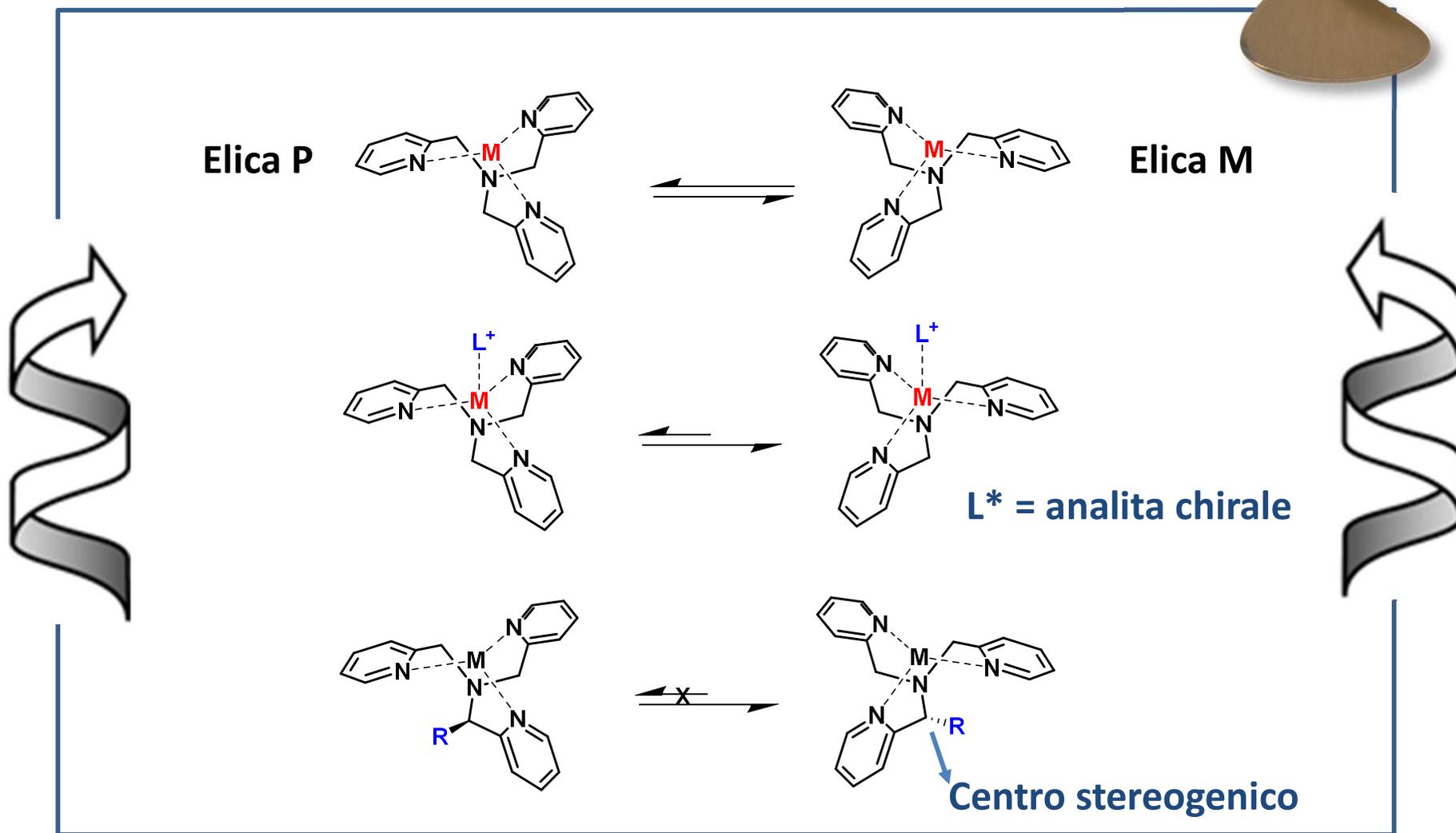


# Sintesi Organica per il Riconoscimento Molecolare

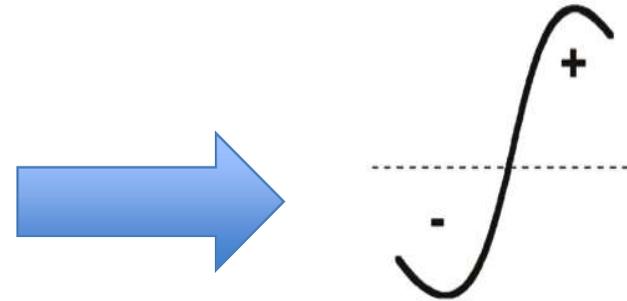
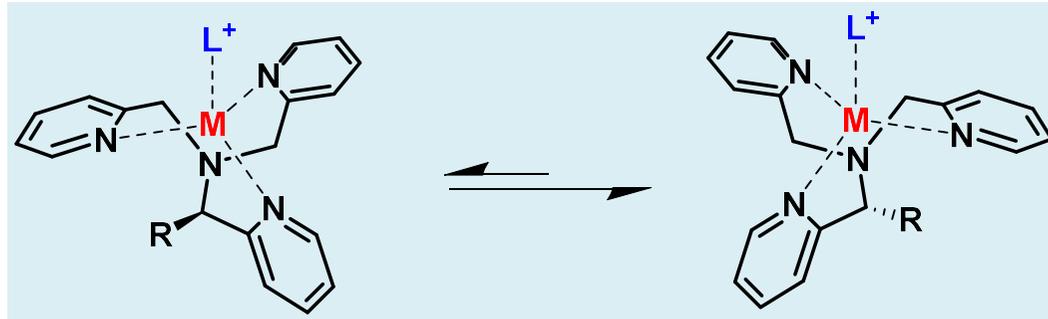


# TPMA per Probe Stereodinamici e Leganti Chirali

TPMA = tris(metil piridil)ammine



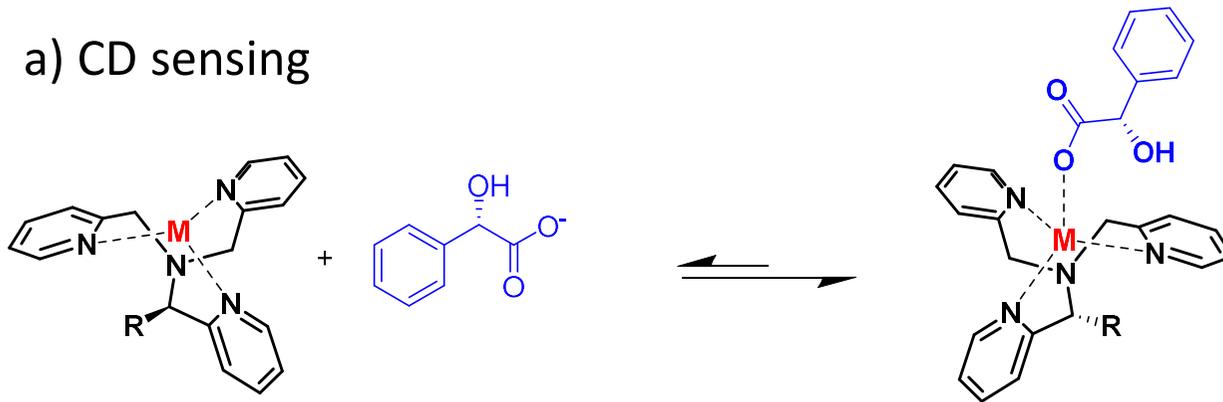
# 1) Probe stereodinamici per determinazione ee



**Analisi CD**

*Intensità segnali proporzionale  
a eccesso enantiomerico*

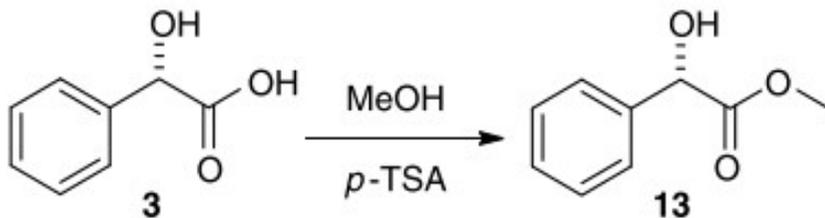
a) CD sensing



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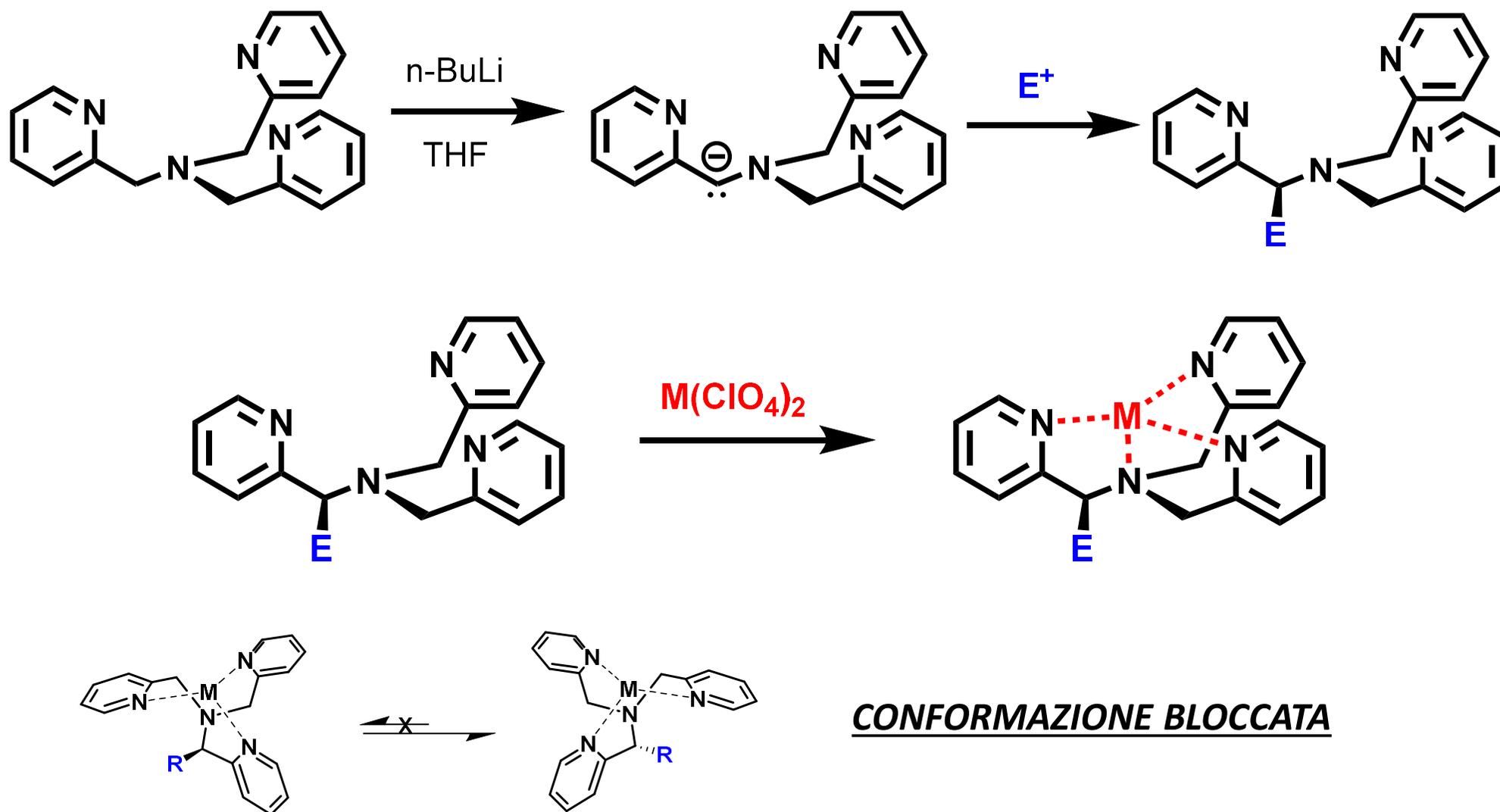
Dissolve 0.5 mg of crude product in 3.0 mL  
ACN for immediate UV/CD measurements.  
*Total solvent waste per analysis: 3 mL*  
*Total time: 3 min*

a) Traditional derivatization and HPLC analysis



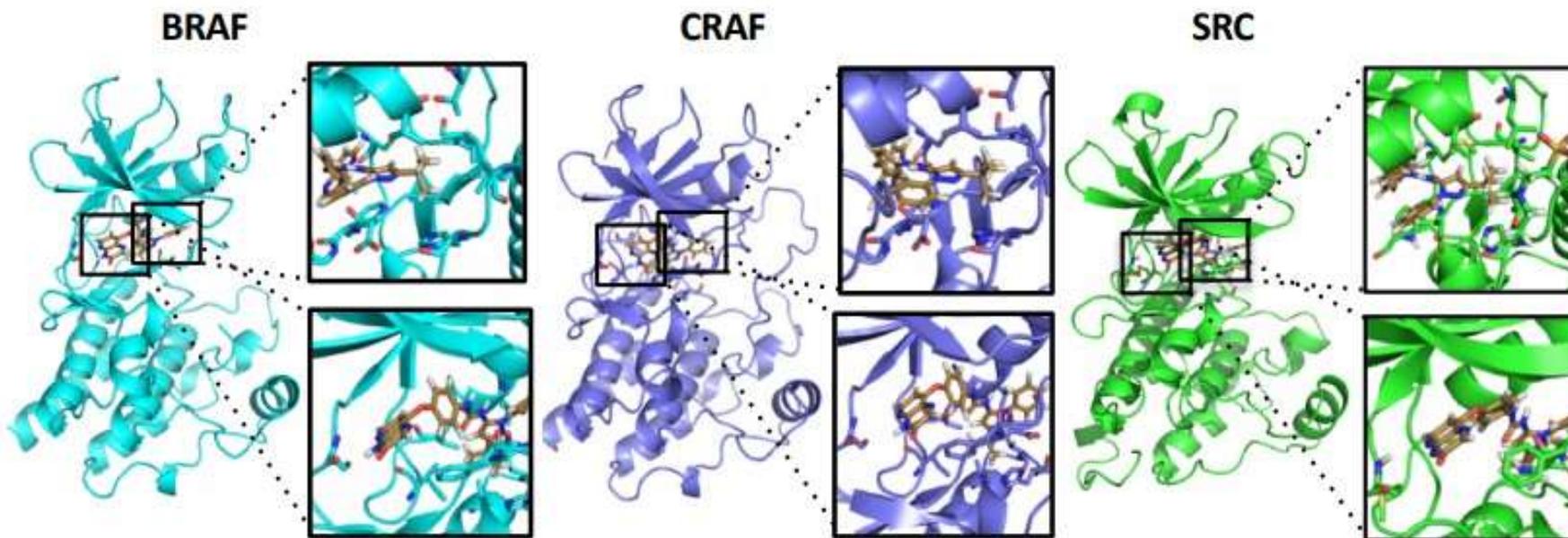
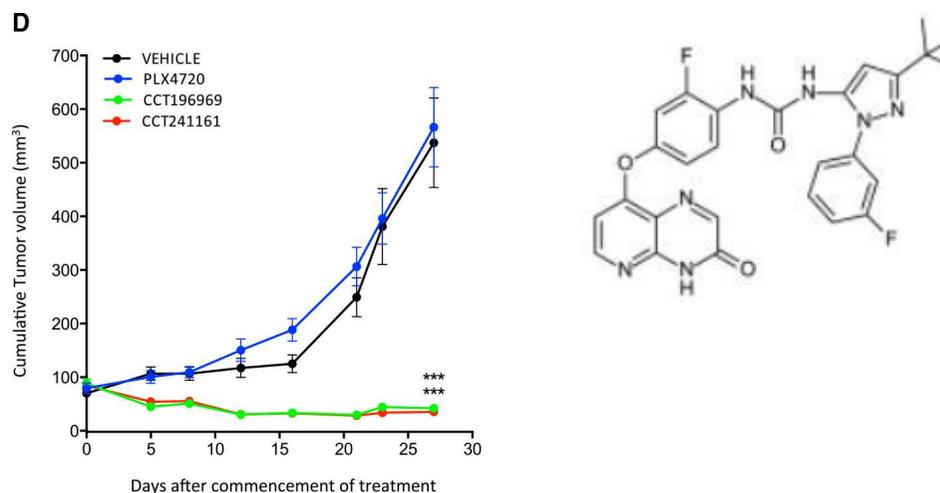
Esterification to **13** and HPLC on Chiralcel  
OD (hexane:*i*-PrOH (80:20 v/v)).  
*Total solvent waste per analysis: 120 mL*  
*Total time: 3.5 h*

## 2) Sintesi di nuovi leganti chirali

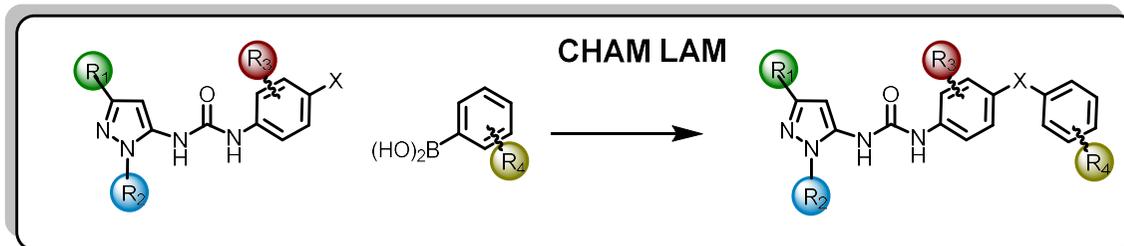
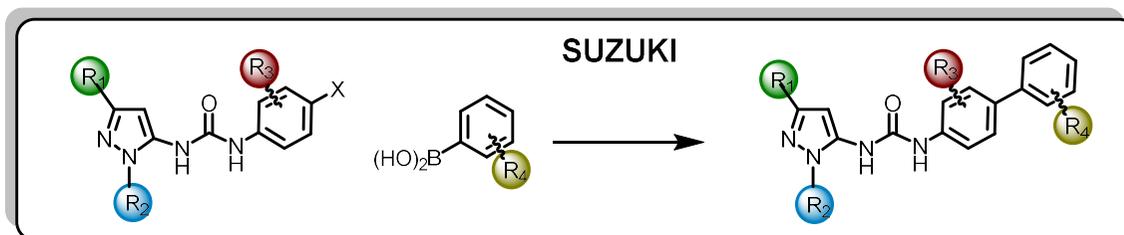
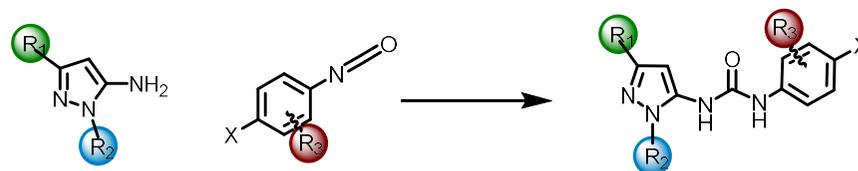
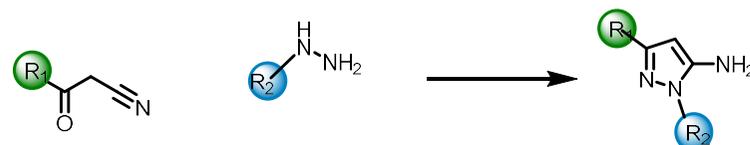
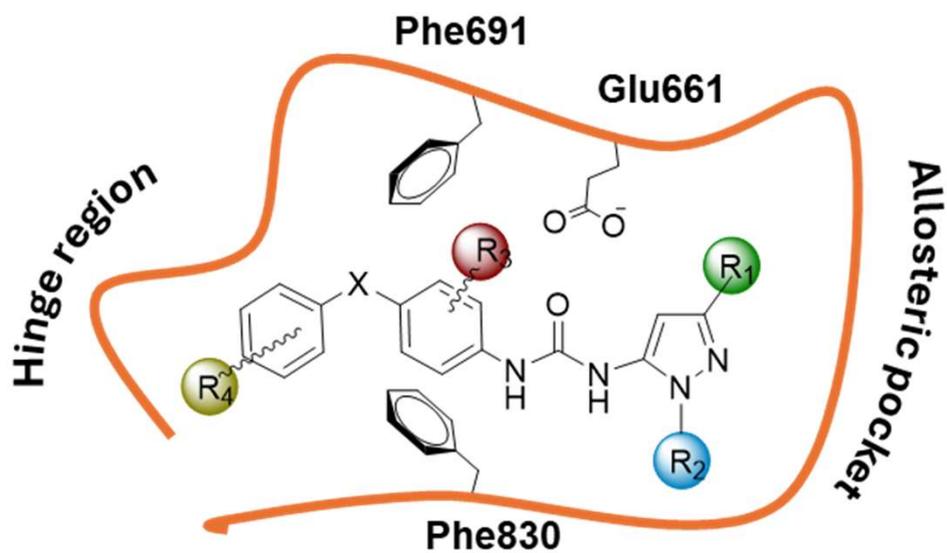


# Progetto e sintesi di molecole di interesse terapeutico

PDX, resistenza acquisita a vemurafenib



# Progetto e sintesi di molecole di interesse terapeutico



## Diapositiva 6

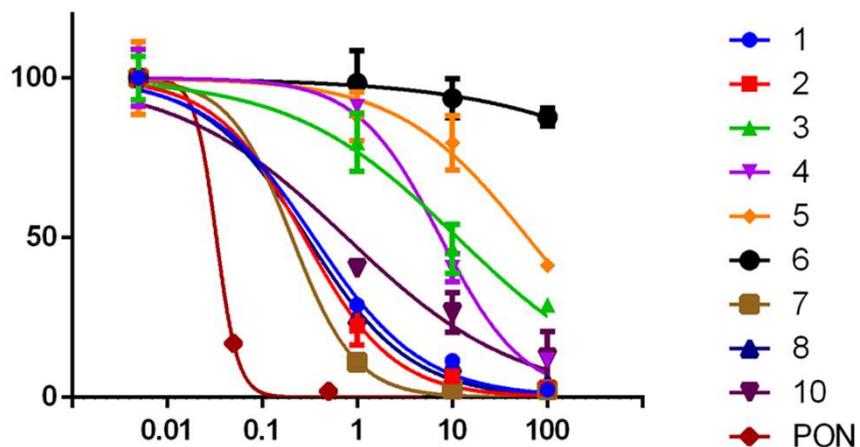
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**CG1**

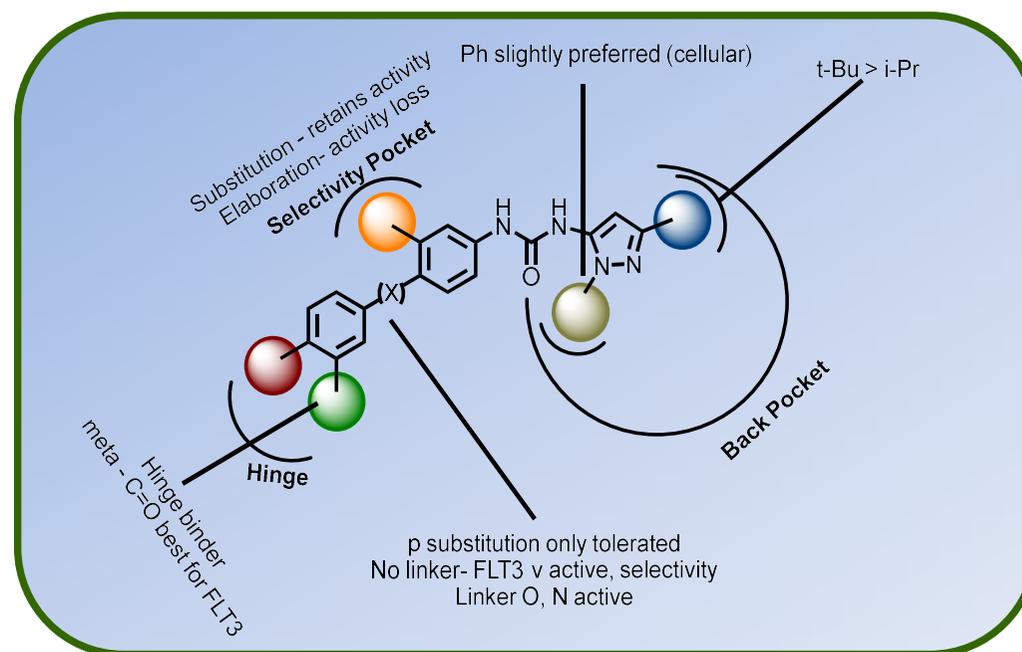
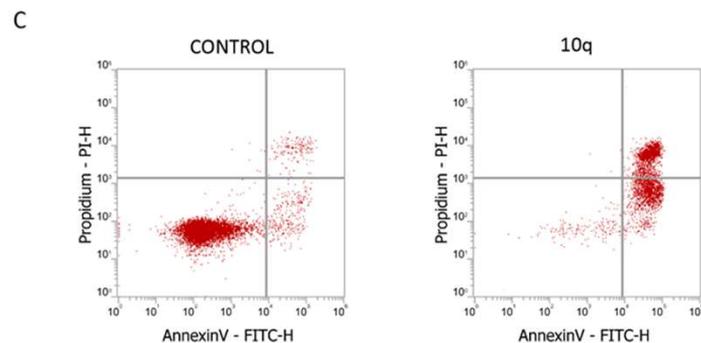
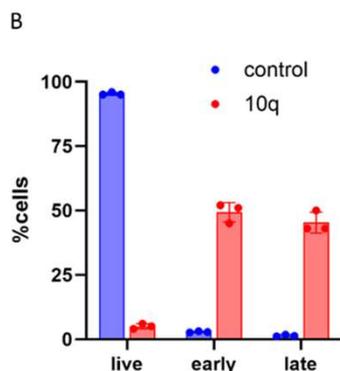
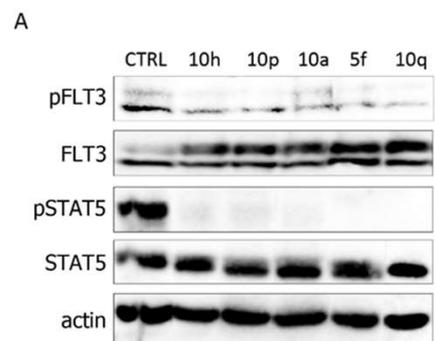
Numero max di diversità con minor step possibili, ottimizzazione di reazione di coupling metalli come Suzuki e Chan-Lam

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# Assessment biochimico e SAR



CG2  
CG3  
CG4  
CG5  
CG6  
CG7



## Diapositiva 7

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- CG2** Come i punti di diversità influenzano proprio  
CHIARA GRASSI; 11/12/2024
- CG3** Proprietà farmacocinetiche e biochimiche delle molecole: Structure activity relationship (SAR). Valutazione proprietà biochimiche i nostri o  
CHIARA GRASSI; 11/12/2024
- CG4** Collaboratori testano in vitro e in vivo  
CHIARA GRASSI; 11/12/2024
- CG5** Alto a dx inibizione enzimaticq  
CHIARA GRASSI; 11/12/2024
- CG6** A fosforilazione all'interno delle cellule  
CHIARA GRASSI; 11/12/2024
- CG7** B e C sono l'induzione di apoptosi del target.  
CHIARA GRASSI; 11/12/2024

# Tirocini esterni e internazionali



CA22170 - TEndon Regeneration NETwork (TENET)



# La vostra esperienza

- Studi *in silico*
- Ricerca in **database** biologici/chimici
- Pianificazione **linee di sintesi**
- **Sintesi e caratterizzazione** di composti organici
- Razionalizzazione **rapporto struttura-attività**



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