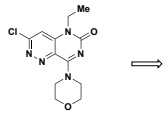
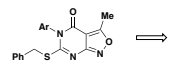
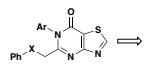
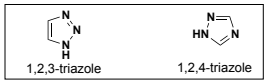
Constulting Corner

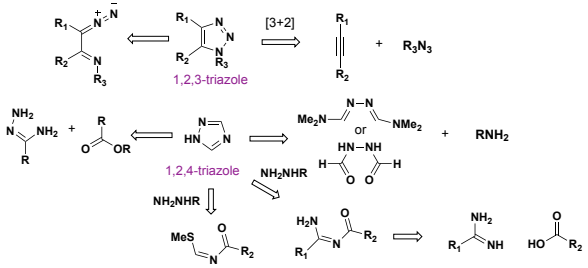


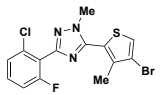




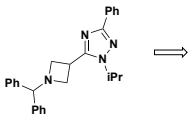
Triazoles



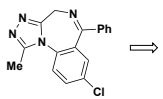




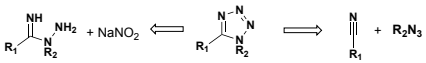
Dow, insecticide

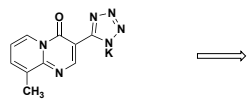


POD #1



Tetrazole

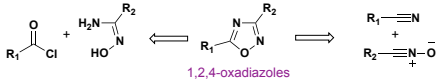




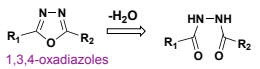
treatment of asthma

Oxadiazoles

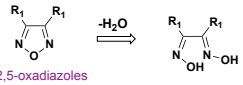




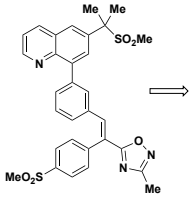
1,2,4-oxadiazoles



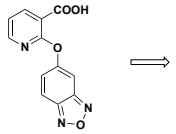
1,3,4-oxadiazoles



1,2,5-oxadiazoles



Merck, PDE4 inhibitor



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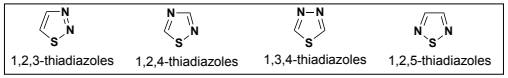
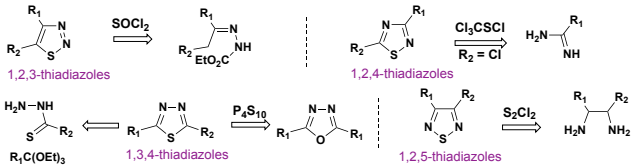
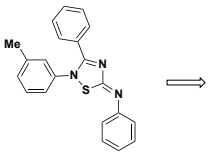
thiadiazoles





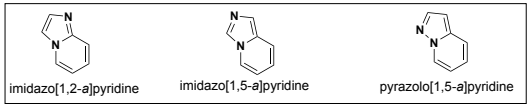


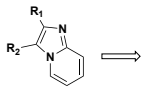
Modulators of Adenosine A1 receptors

Bridgehead heterocycles

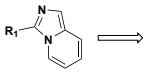
1. aza-indolizines

A. two nitrogens in the five-membered ring

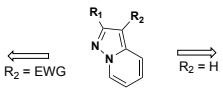




imidazo[1,2-*a*]pyridine

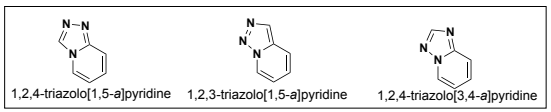


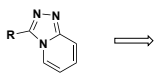
imidazo[1,5-*a*]pyridine



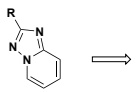
pyrazolo[1,5-*a*]pyridine

B. three nitrogens in the five-membered ring

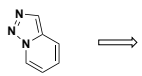




1,2,4-triazolo[1,5-*a*]pyridine



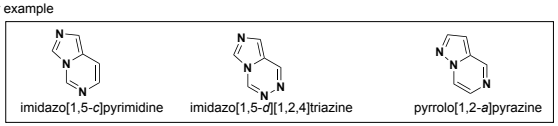
1,2,4-triazolo[3,4-*a*]pyridine

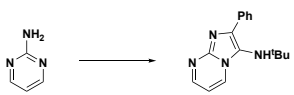


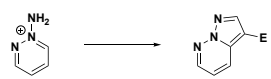
1,2,3-triazolo[1,5-*a*]pyridine

C. aza-indolizines with two or more nitrogens in the six-membered ring

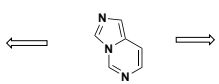
for example



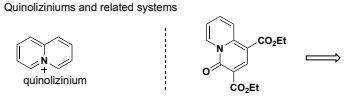




POD #2



2. Quinoliziniums and related systems

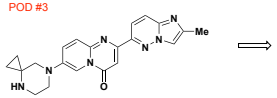


3. pyrolizines and related systems



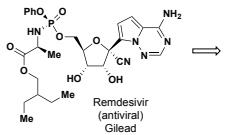
Case Studies:

POD #3



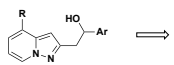
Risdiplam
Genentech
(spinal muscular atrophy)

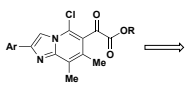
POD #4

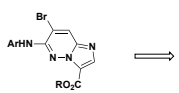


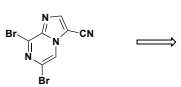
Remdesivir
(antiviral)
Gilead

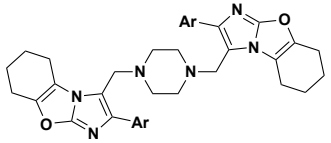
Consulting Corner:

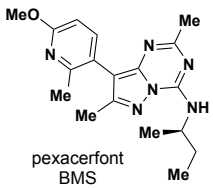






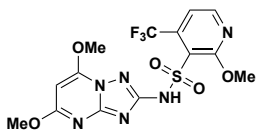






pexacerfont
BMS

POD #5



Dow, Crop protection agent

