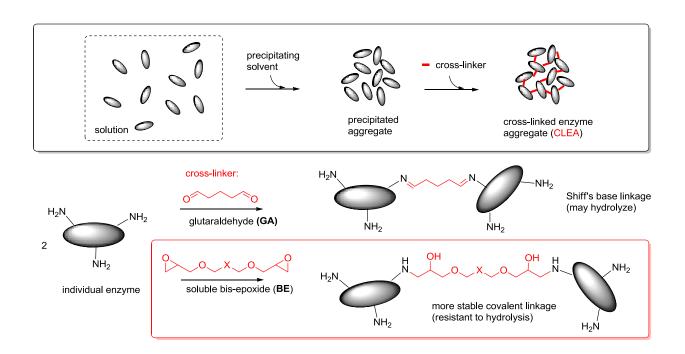
Novel methods for PAL immobilization Bis-epoxide type cross-linker for stable CLEAs



CLEAs of *Pc*PAL and *Rt*PAL crosslinked with **GA** or **BE** were practically inactive. The **GA** or **BE** based CLEAs prepared in the presence of sugars were active **even in the ammonia addition reaction performed in 6 M NH₃ / (NH₄)₂CO₃. The BE / sugar CLEA of** *Pc***PAL retained most of the initial activity after 3 times recycling (3 days reaction at RT, \sim20% conversion to L-Phe).**