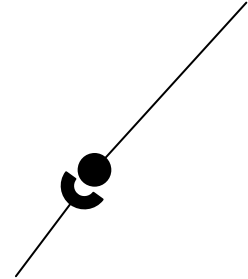


# low and high molecular weight kininogens



serine proteases:  
tissue kallikrein,  
plasma kallikrein

bradykinin

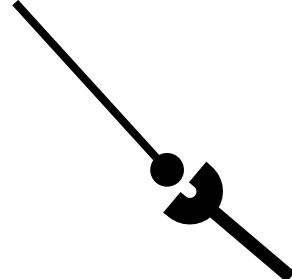


**B1R**

(type 1 receptor)



*Pain, mitogenesis,  
angiogenesis*



**B2R**

(type 2 receptor)



***Vasodilation***  
*Hyperpermeability  
antiaggregation*