

# JSM6427 inhibitor of integrin $\alpha 5\beta 1$ - Wet AMD Intravitreal

Intravitreal JSM6427 (Jerini Inc) is a potent and selective inhibitor of integrin  $\alpha 5\beta 1$ .

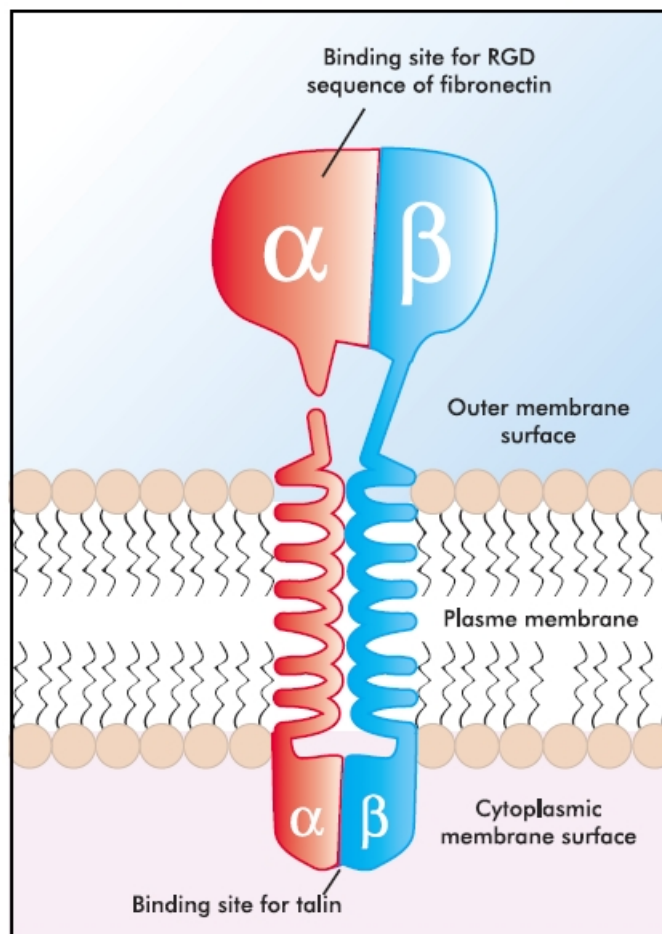
Animal studies have shown an inhibition of choroidal neovascularization (CNV).

This suggests that JSM6427 may provide a new approach for the treatment of age-related macular degeneration in humans.

Integrins are transmembrane receptors composed of  $\alpha$  and  $\beta$  subunits that mediate binding to extracellular matrix or other cellular receptors.

Blocking angiogenesis through inhibition of integrin-mediated signaling has the potential to inhibit the cellular responses to growth factors as well as to cytokines and other inflammatory mediators<sup>(30)</sup>.

Figure 3 - Alpha and Beta subunits of integrins, are transmembrane proteins. In the outer surface the subunits have an adhesive glycoprotein that interact to form a binding site. In the inner site of the cell the subunits binds with the cytoskeleton.



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