

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

Intravitreal

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

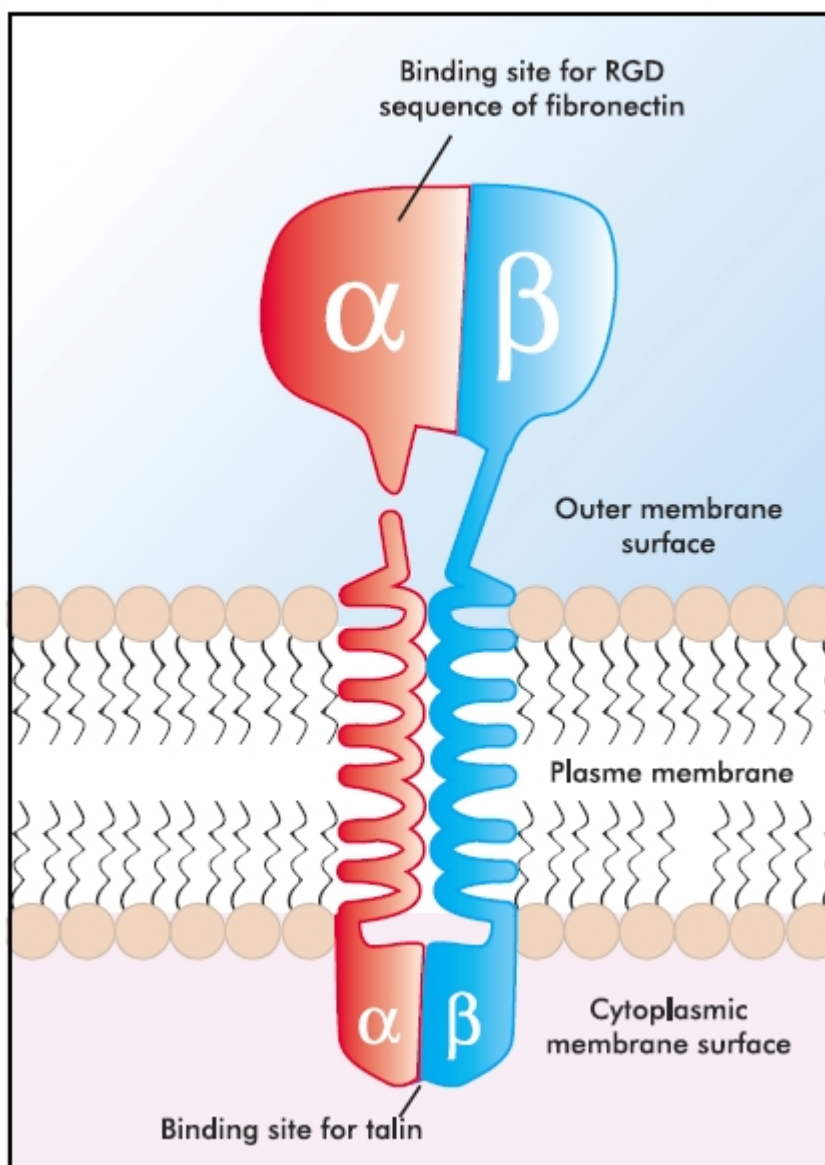
Animal studies have shown an inhibition of choroidal neovascularization (CNV).

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 α and β 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⁽³⁰⁾.

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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