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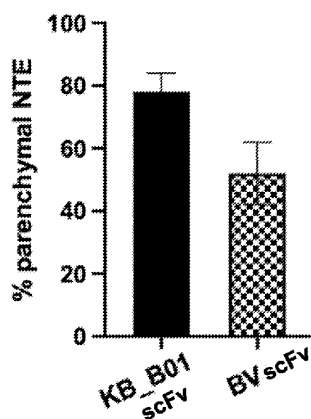


Figure 11B

(57) Abstract: The present invention relates to variable domain of heavy chain-only (VHH) antibody binding specifically to the transferrin receptor 1 (TfR1) and uses thereof to transport therapeutic agents or imaging agents into cells and over the blood-brain barrier.