Targeting the spliceosome in chronic lymphocytic leukemia with the macrolides FD-895 and pladienolide-B

FD-895
PLAD-B
polyketides
splicing modulator activity
antitumor activity

in vitro
chronic lymphocytic leukemia patients
primary leukemia cells
leukemia-lymphoma cell lines

in vivo
A20 lymphoma murine model

early pattern of mRNA intron retention induced
pro-apoptotic activity preferentially in cancer cells

spliceosome modulation is a valid target in chronic lymphocytic leukemia

Kashyap et al., Haematologica, 2015