



Figure 9. Small molecule inhibitors of bromodomains. (A) Chemical structures of representative small-molecule bromodomain inhibitors, including NP1 (for PCAF bromodomain), ischemin, JQ1, I-BET and I-BET151. (B) Ischemin, a small-molecule inhibitor developed for the CBP bromodomain, depicted in a complexed 3D structure bound to the protein (PDB code: 2L84). (C) JQ1, a BET bromodomain-specific inhibitor, shown when bound to the first bromodomain of BRD4 in the crystal structure (PDB code: 3MXF).