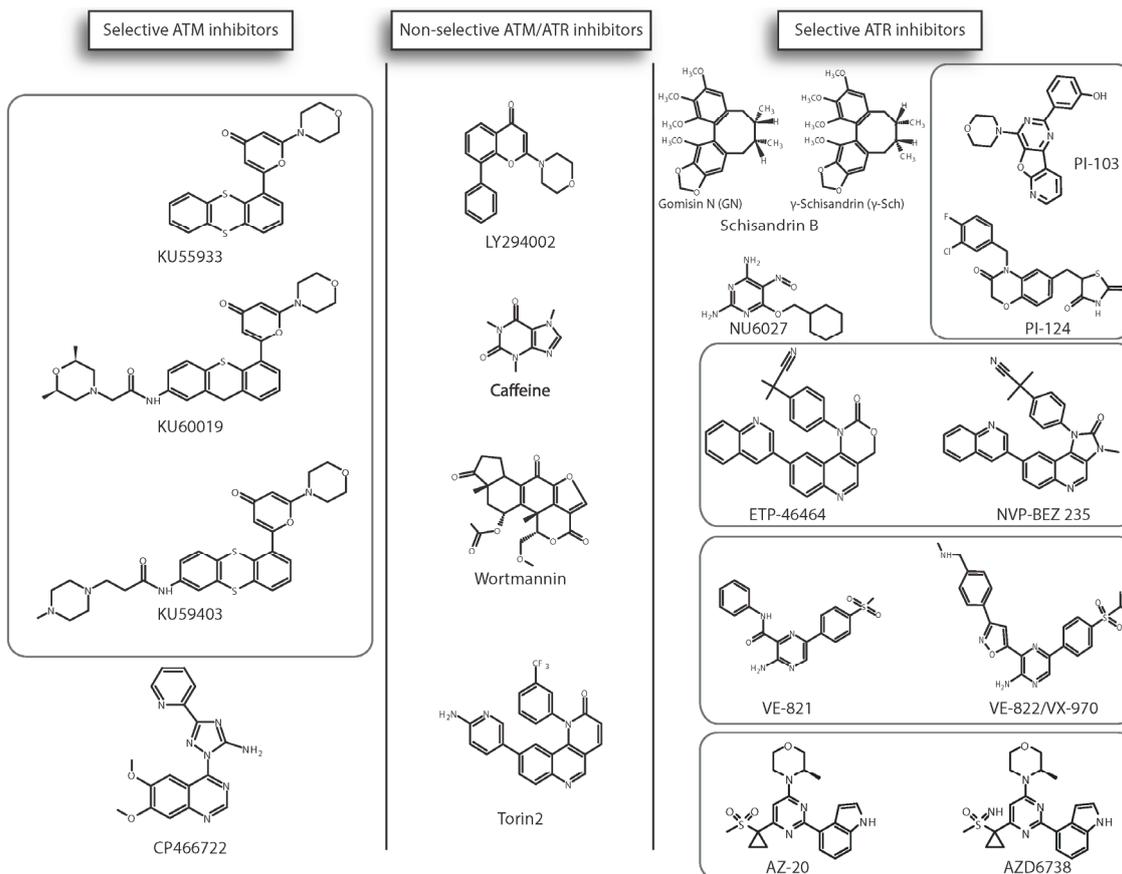
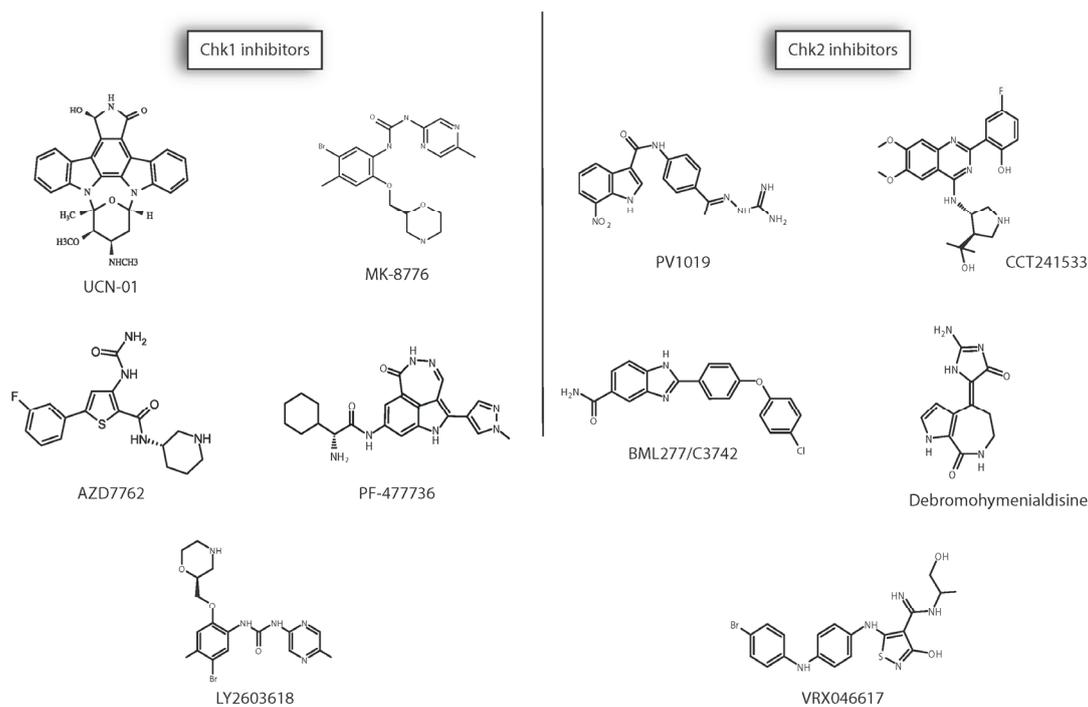


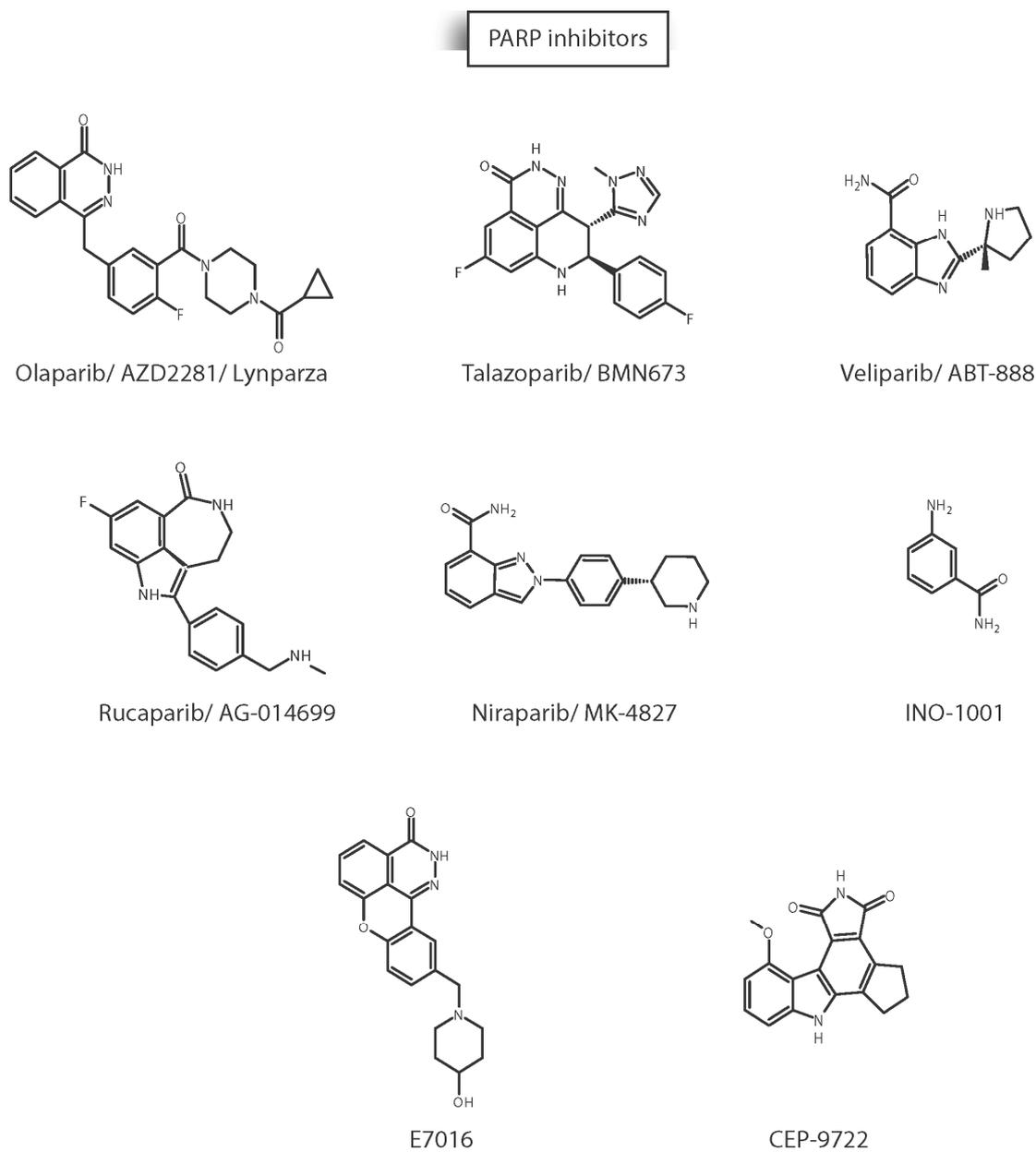
## Supplementary Material



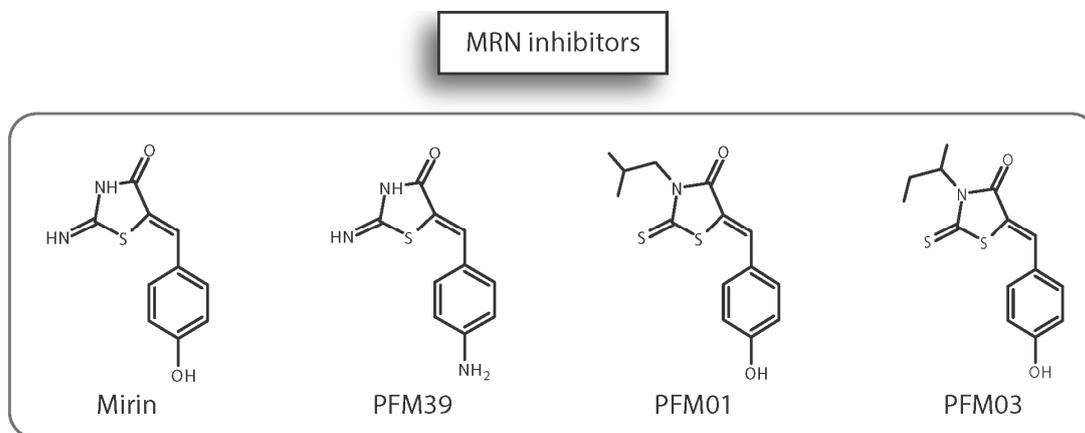
**Figure S1.** Selective ATM inhibitors (**left**), non-selective ATM/ATR inhibitors (**center**) and selective ATR inhibitors (**right**). Skeletal representation of the inhibitors. Grey boxes designate molecules sharing similarities.



**Figure S2.** Chk1 inhibitors (**left**) and Chk2 inhibitors (**right**). Skeletal representation of inhibitors.



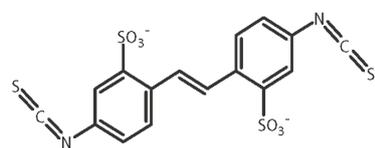
**Figure S3.** PARP inhibitors that have reached clinical evaluation.



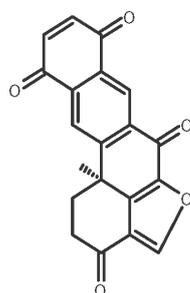
**Figure S4.** MRN (MRE11-RAD50-NBS1) complex inhibitors. Skeletal representation of inhibitors. The grey box designates molecules sharing similarities.

## RAD51 inhibitors

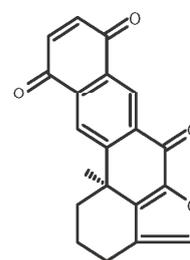
Velic, Couturier et al.



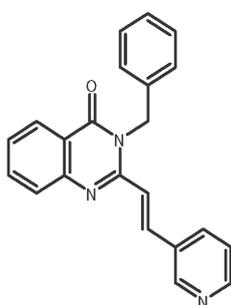
DIDS



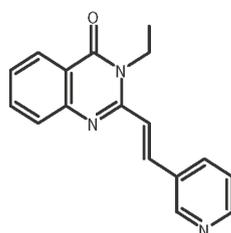
Halenaquinone



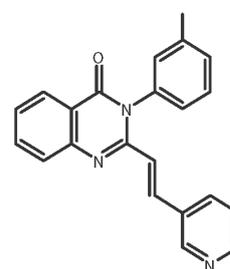
Xestoquinone



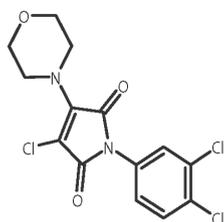
B02



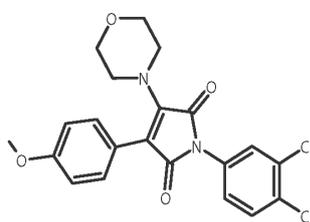
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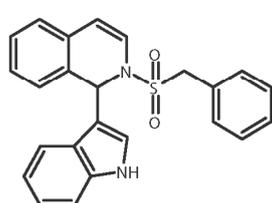
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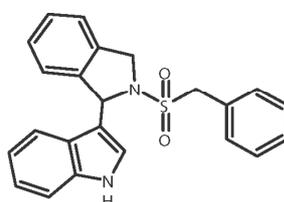
RI-1



RI-2

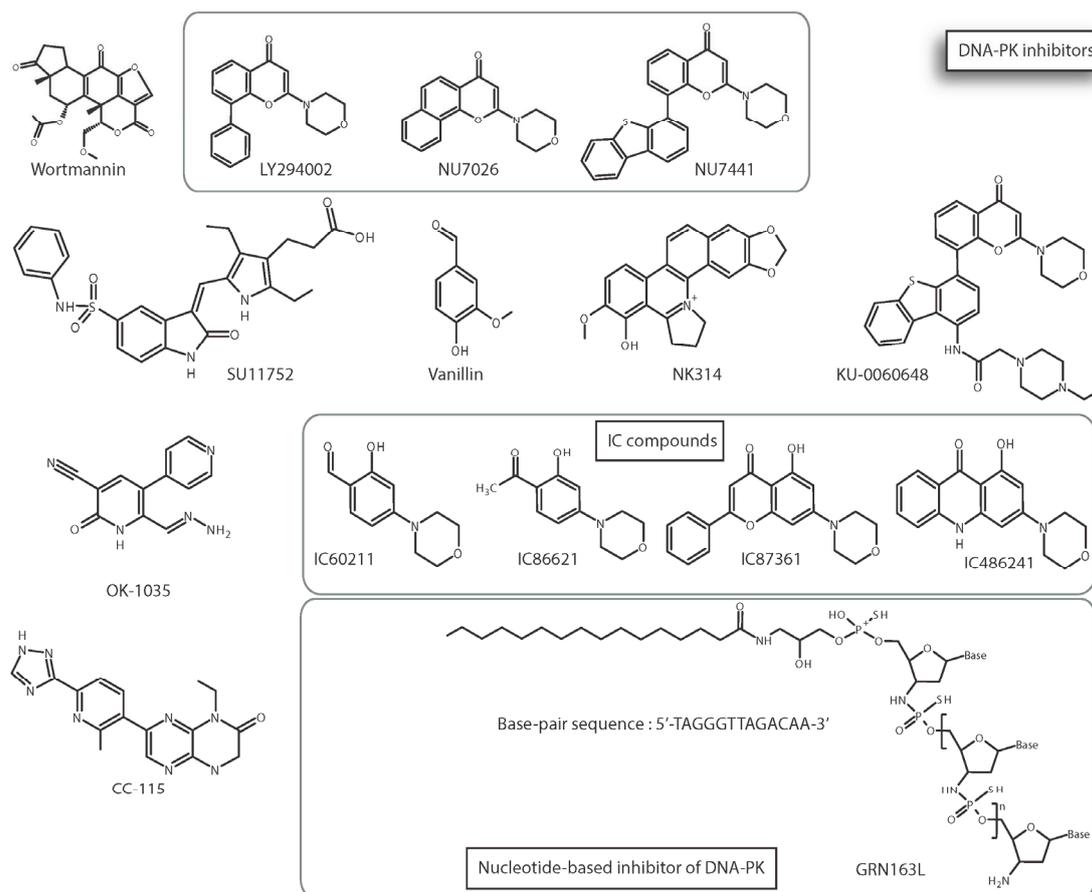


IBR2

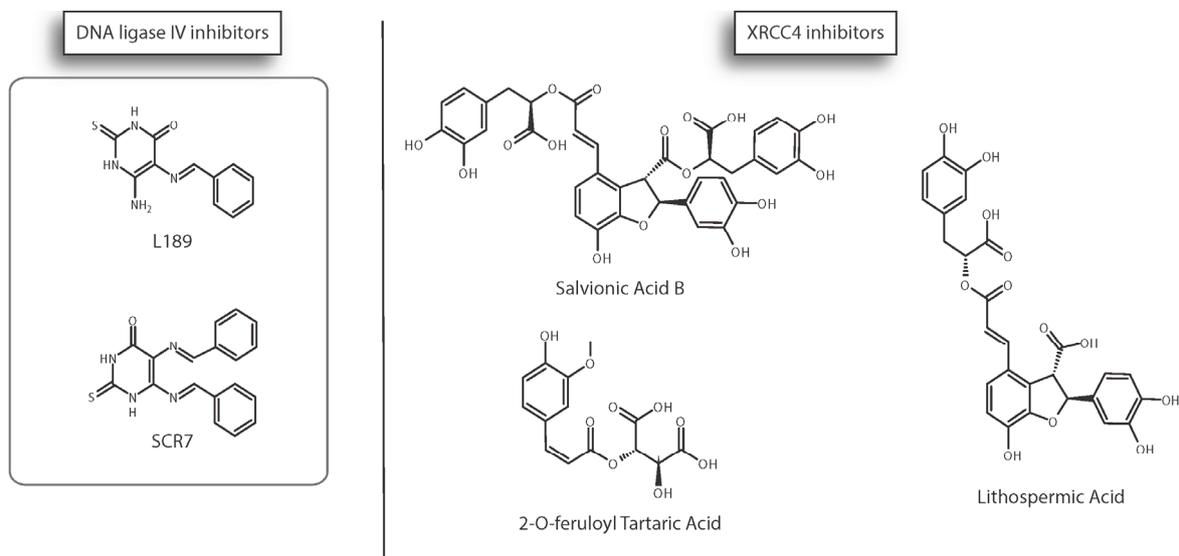


IBR120

**Figure S5.** Skeletal representation of RAD51 inhibitors. Grey boxes designate molecules sharing similarities.



**Figure S6.** Skeletal representation of DNA-PK inhibitors. Grey boxes designate molecules sharing similarities.



**Figure S7.** DNA ligase IV inhibitors (left) and XRCC4 inhibitors (right). Skeletal representation of inhibitors. Grey boxes designate molecules sharing similarities.