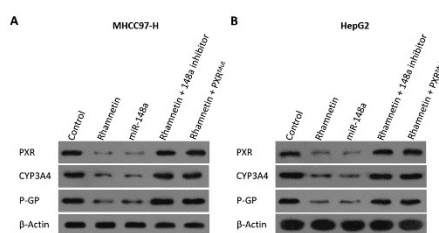


1

2

3 **Supplemental Fig. 1** The three compounds, Sorafenib, Regorafenib and Lenvatinib
4 have similar chemical structure-feature. The agents are built based on the same skeleton
5 structure: 1-(4-(pyridin-4-yloxy) phenyl)urea.



6

7 **Supplemental Fig. 2** Rhamnetin repressing the activation of PXR pathway via miR-
8 148a/PXR axis. The HCC cells, MHCC97-H (A) or HepG2 (B) was transfected with
9 control, miR-148a, inhibitor of miR-148a or PXRmut, was treated with control or
10 rhamnetin. The expression of PXR, CYP3A4 or P-GP was examined by using their
11 antibodies. The β -Actin was chosen as the loading control.