



Figure S2. Lenvatinib affects microRNA expression in Huh-7SR cells. Hierarchical clustering of differentially expressed miRNAs from Huh-7SR cells incubated with 10  $\mu$ M lenvatinib or DMSO for 24 h. Fold Change >1.5 or <0.67, FDR<0.001.

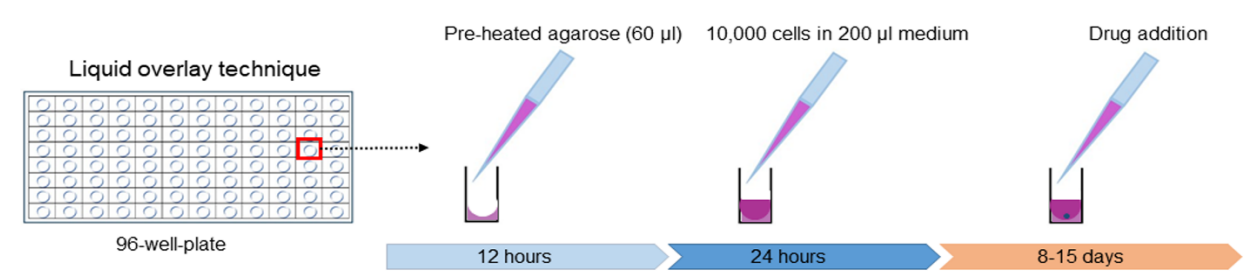


Figure S3. Schematic diagram of three-dimensional tumor spheroid assay by liquid overlay technique.

Table S1. Kinase inhibition profile.

TKR	Lenvatinib IC50 ( $\mu$ M)	Sorafenib IC50 ( $\mu$ M)
FGFR1	0.061	0.34
FGFR2	0.027	0.15
FGFR3	0.052	0.34
FGFR4	0.043	3.4
VEGFR1	0.0047	0.021
VEGFR2	0.003	0.021
VEGFR3	0.0023	0.016
RET	0.0064	0.015