Supplementary Table 1. Physicochemical properties of Fuc-liposome sorafenib.

Fucose concentration in conjugating reaction (μg/mL)	0 (F0)	25 (F25)	50 (F50)
Lipid concentration (mg/mL) ^a	37.2	37.7	36.3
Particle size (nm) ^b	121	120	116
z potential (mV) ^c	-79	-82	-84
sorafenib concentration (mM) ^d	1.1	1.1	0.9
sorafenib encapsulation efficiency (%) ^e	5.0	5.0	5.0
sorafenib to lipid weight ratio ^f	0.025	0.025	0.025

^a Total cholesterol was measured using a Cholesterol E-test Wako Kit.

^b Encapsulation of Sorafenib into liposomes followed by conversion into Sorafenib 0 in TAPS buffer containing NaCl

^cDetermined with a Malvern Nano-S90.

^d The amount of Sorafenib was measured by spectrophotometer

^e Encapsulation efficiency was calculated by the following formula: Amount of Sorafenib in liposomes/Initial amount of chemicals) × 100

f Sorafenib:lipid weight ratio was calculated by following formula: Sorafenib concentration (mg/mL)/lipid concentration (mg/mL).