

467 **Figure 4.** Body weights of mice treated with MTM, MTM-SDK and MTM-SK. Healthy
468 female CD-1 mice (4 per group) were treated with i.p. injections of 400 µg/Kg/day x15 (6
469 mg/Kg total). The control group received an equivalent amount of DMSO. Each point
470 represents the mean ± SD of 4 mice.

471

472 **Figure 5.** Antitumor activity of MTM-SDK and MTM-SK in subcutaneous ovarian tumor
473 xenograft. Mice (10 per group) were inoculated with A2780 cells and treated with 600
474 µg/Kg, q2d x10, or vehicle (DMSO) given by intraperitoneal injections over a 20-day period.

475 (A) Tumor size was measured twice weekly. Results are expressed as mean ± SD of 10 mice.
476 Difference in tumor size is statistically significant after 10 days of treatment (** P <0.05). (B)
477 Body weight was measured twice weekly. Data are presented as relative body weight, i.e., the
478 difference between mean body weight at start of the treatment and at the indicated time
479 points.

480

481 **Figure 6.** Antitumor activity of MTM SDK, MTM SK and MTM in orthotopic ovarian tumor
482 xenografts. Mice (10 per group) were inoculated intraperitoneally with A2780 cells and
483 treatment started 7 days later. Vehicle or compounds (400 µg/Kg/day) were given by
484 intraperitoneal injections for 10 days. (A) Kaplan-Meier survival curves. (B) Abdominal
485 distension and intraperitoneal tumor masses (*arrows*) in representative mice of the control
486 (*left*) and MTM-SDK (*right*) group sacrificed at day 50 from cell implant.

487

488 **Supplementary Table S1.** Genes and primer sets for gene expression analysis by real-time
489 RT-PCR.

490

Supplementary Table (S1).

Gene name	mRNA accession number	qPCR primer forward	qPCR primer reverse
GAPDH	NM_002046.3	ccatgttcgcatgggtgt	ccaggggtgctaagcagtt
B2M	NM_004048.2	ttctggcctggaggctatc	tcaggaaattgactttcattc
C-SRC	NM_198291.1	cgagaaagtgagaccacgaa	ttggcgttgctgaagtca
VEGFA	NM_001033756.1	agtgtgtgccactgagga	ggtgaggttgatccgcata
MYC	NM_002467.3	tgctccatgaggagacacc	ctttccacagaaacaacatcg
hTERT	NM_198255.2	gcctcaagagccacgtc	ccacgaactgtcgcattg
CCNE1	NM_001238.1	cctcggattattgcaccatc	cctctctattgcccagctc
CLDN4	NM_001305.3	gactgagccaggcaggaa	ttgggaagttgtccgagtg
BIRC5	NM_001168.2	agaactggcccttcttga	caagtctggctcgttctcagt
XIAP	NM_001167.2	ttttgggacatggatatactcagtt	agcactttactttatcaccttcacc
KLF8	NM_007250.3	tcaccgcagaatccatacag	tgagcgagcaaatttcag