Inhibitors

1. M 15 min, 25nMμJasplakinolide (molecular probes, J-7473): 4 uM 15 min, or 2 4h or 50nM 2h give good morphorlogy
2. M working concentration.μML7: blocking MLCK, 5mM stock, 30

For HUVECs

Cyto D: 0.2 uM, 1 hr
Taxol: 0.5 uM, 2 hr
Noco: 1 uM, 1 hr

Targeting Molecule	Inhibitors	Concentration (uM)	Duration (min)
Src	PP2	10	1 hr
Src	PP1	10	1 hr
Src	SU6656	10	1 hr
RTK	Saurumine	50	1 hr
MAPK	PD98…	10	1 hr
FAK	AG82…	20	1 hr
FAK	NVP-TAE226	1 uM	4 hr?
FLK-1 (VEGFR-2)	SU4819	5 uM	1 hr
MicroTubules	Colchicine	1	1 hr
MicroTubules	Nocodazole	1	1 hr
MicroTubules	Paclitaxel (taxol; stablizing)	1 uM	2 hr
Actin filaments	Cyto D	1	1 hr
Actin filaments	Latrunculin B (sequester G-monomer)	0.5 uM	1 hr
Actin filaments	Jasplakinolite (stabilizing)	100 nM	1 hr
PI3K	Wortmannin	1	1 hr
Myosin ATPase	BDM	10 mM	1 hr
Myosin II	Blebbistatin	10 uM	1 hr
ROCK	Y27…	10	1 hr
MLCK	ML-7; ML-9	10 or 5; 7.5	1 hr

PI3K	LY 29…	50	1 hr
apoptosis	Pancaspase inhibitor zVAD-fmk	10 uM	
de novo protein synthesis	cycloheximide	25 ug/ml	

Targeting Molecule	Stimuli	Concentration (uM)	Duration (min)
RhoA	LPA	200 ng/ml	30 min
Rac	PDGF	25 ng/ml	30 min
Cdc42	bradykinin	100 nM	3 min
integrins a5b1, avb3, avb5	Fibronectin	10 ug/ml	1 hr
integrins avb3	Fibronogen, Vitronectin		
integrins a1b1, a2b1	collagen		
integrins a1b1, a2b1, a3b1 and a6b1	laminin		

serum starved for 16 hr. Cells were either treated with LPA (200 ng/ml−1) for 30 min (Sigma, Poole, UK), PDGF (25 ng/ml−1) for 30 min (TCS Biologicals, Botolph Claydon, UK), or bradykinin (100 nM) for 3 min (Sigma) or were plated on fibronectin (BD Biosciences) (10 μg/ml) for 1 hr