

Supplementary Data

SUPPLEMENTARY TABLE S1. BLASTOCYST-FORMATION RATE AND *NANOG* AND *GATA4* COUNTS IN EMBRYOS TREATED WITH DIFFERENT SMALL MOLECULES

<i>Conditions</i>	<i>No. of two-cell embryos</i>	<i>Blastocyst-formation rate (%)</i>	<i>No. of embryos stained</i>	<i>Nanog</i>	<i>Gata4</i>
Control	27	92.59	22	(8.27 ± 3.02) ^a	(10.09 ± 2.74)
SB431542 (10 μM)	40	90	23	(12.60 ± 4.83) ^{a,b,c}	(7.52 ± 3.82)
Forskolin (10 μM)	38	78.94	25	(8.56 ± 2.51) ^b	(7.36 ± 4.36)
LIF (1000 U/mL)	40	85	21	(8.23 ± 2.48) ^c	(8.23 ± 4.43)
Control	30	83.33	23	(8.52 ± 2.59) ^a	(10.82 ± 4.08) ^b
BMP4	30	90	25	(7 ± 2.17) ^a	(7.24 ± 3.52) ^b
Control	29	93.10	24	(8.33 ± 1.68) ^a	(12.83 ± 3.62) ^b
Kenpaullone	29	89.65	21	(5.95 ± 2.81) ^a	(8.14 ± 3.45) ^b
Control	38	94.74	21	(9.048 ± 3.17) ^{a,b}	9.38 ± 3.528
0.1% DMSO	28	89.29	24	(8.042 ± 3.169) ^{c,d}	10.208 ± 3.551
Sb431542 (SB) (10 μM)	35	91.43	23	(14.0 ± 4.452) ^{a,c}	12.087 ± 5.143
A-83-01 (1 μM)	29	86.21	18	(12.5 ± 3.222) ^{b,d}	9.944 ± 4.080

Values with same superscript (within a same group) show significant difference. $P < 0.05$ considered significant. LIF, leukemia inhibitor factor; BMP, bone morphogenetic protein; DMSO, dimethyl sulfoxide.