

A

	PD03	SP600125	SB239063	LY249002*
High (H)	3 mM	10 mM	100 mM	40 mM
Medium (M)	-	5 mM	50 mM	20 mM
Low (L)	1 mM	1 mM	10 mM	10 mM

*Doses of LY used in this work are: Low from d3.5 to d4.5, and Medium from d4.5 onwards

B

Cell Survival	PD03			SP600125			SB239063			LY249002		
	H	M	L	H	M	L	H	M	L	H	M	L
Phase1	++	ND	++	-	-	-	+++	+++	++	-	-	-
Phase 2	++	ND	++	-	-	+	+++	+++	++	+	++	++

-, no cell survival

+, cell death significantly increased

++ , cell death similar to control cultures

+++ , cell death significantly reduced

ND, no data

Supplementary file 1.

Inhibitor doses and cell survival

(A) Experimental dose of the inhibitors used during phases 1 and 2 of differentiation and, (B) Cell survival in response to inhibitor treatment during ESC differentiation.