Supplemental Table 1. The details of gene expression profiles of 30 compounds in NB cells

Drugs	Dose 1	Dose 2	Mechanism of action
17AAG	10 μM	1 μM	Inhibits Hsp90
5-azacytidine	10 μM	1 μM	Incorporate into DNA and RNA to inhibit transcription and translation
Actinomycin D	5 nM	0.5 nM	Intercalate with DNA
Alsterpaullone	5 μM	0.5 μM	Inhibit CDK1/Cyclin B
Amonafide	10 μM	1 μM	Inhibit Top2
Arsenic trioxide	1 μM	0.1 μM	PML/RAR alpha degradation; creation of reactive oxygen species, microtubule binding
Bortezomib analog	0.5 μM	0.05 μM	Inhibit proteasome
Bortezomib	10 μM	1 μM	Inhibit proteasome
Camptothecin	10 μM	1 μM	Inhibit Top1
CDDO-ME	10 μM	1 μM	Inhibit AKT, NFkB, Notch1, mTOR, STAT3, and JNK
Colchicine	50 nM	5 nM	Inhibit mictrotubule polymerization
Cucurbitacin I	0.5 μM	0.05 μM	Inhibit STAT3 activation
Daunorubicin	50 nM	5 nM	Inhibit Top2
Didemnin B	5 nM	0.5 nM	Inhibit protein synthesis by binding to human elongation factor 1A
Doxorubicin	0.5 μM	0.05 μM	Inhibit Top2
Echinomycin	5 nM	0.5 nM	Inhibit Top2
Epoxy anthraquinone derivative	5 μM	0.5 μM	Unkonwn
Etoposide	5 μM	0.5 μM	Inhibit Top2
Helenalin	10 μM	1 μM	Unknown
Maytansine	5 nM	0.5 nM	Inhibit microtubule polymerization
Mitoxantrone	0.5 μM	0.05 μM	Inhibit Top2
Paclitaxel	50 nM	5 nM	Inhibit microtubule depolymerization
PD 0332991 (Pfizer Inc)	10 μM	1 μM	Inhibit CDK4/6
Perezone	10 μM	1 μM	Unkonwn
Teniposide	2.5 μM	0.25 μM	Inhibit Top2
Tetrandrine	10 μM	1 μM	Induce CDK inhibitor p21; induction of cyclin D1; and G1 to S arrest
Thioguanine	2.5 μM	0.25 μM	Incorporated into DNA and RNA to inhibit transcription and translation
Topotecan	10 μM	1 μM	Inhibit Top1
Valrubicin	5 μM	0.5 μM	Inhibit Top2
Vincristine	50 nM	5 nM	Inhibit microtubule polymerization