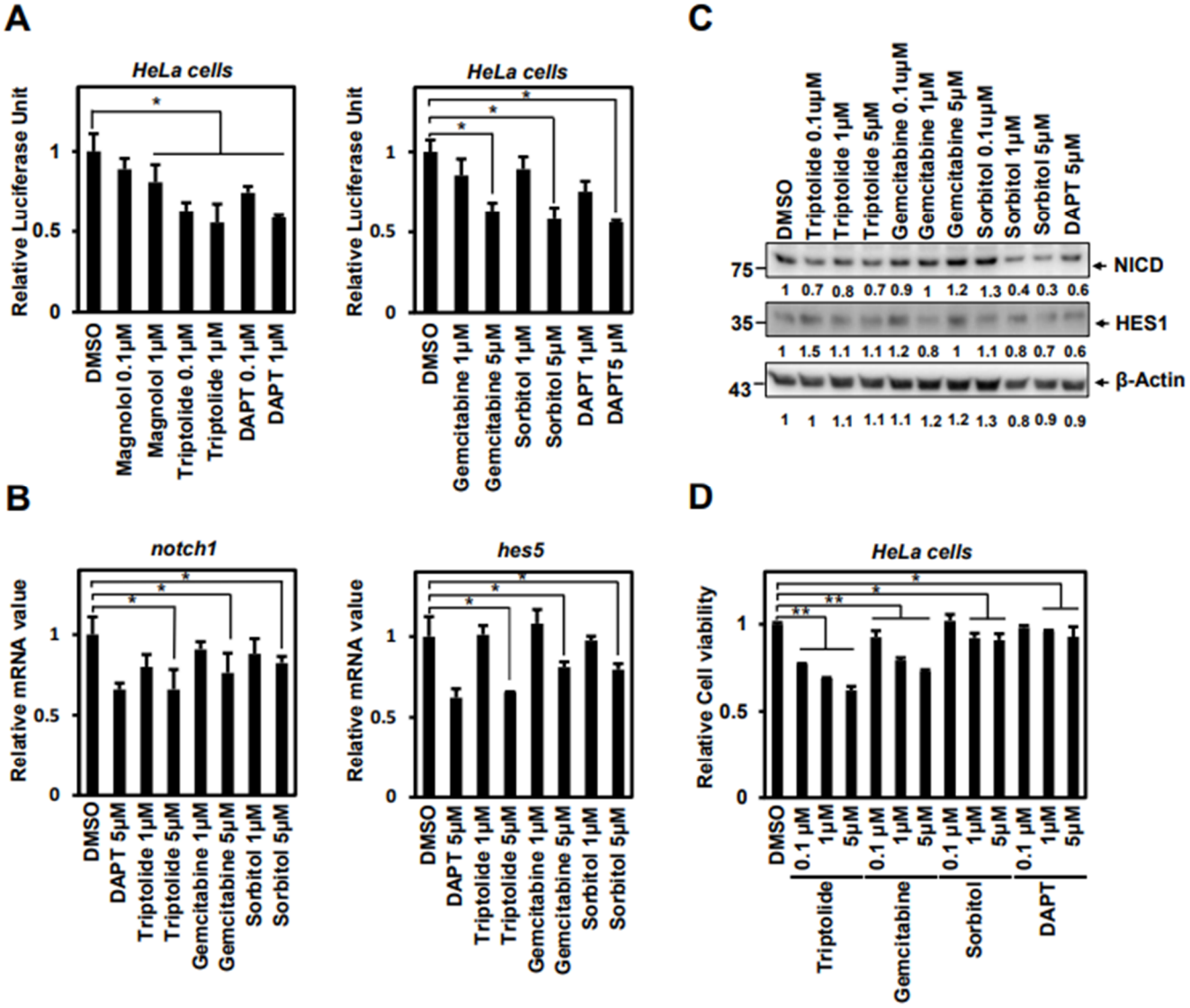
Supplementary Table S1. Compounds with inhibition of Notch1 signaling identified in the screening.

	Drug name	Catalog No.
Natural compounds	Magnolol	S2321
	Triptolide	S3604
FDA approved chemical compounds	Carmofur	S2189
	Sorbitol	S2393
	Mitoxantrone 2HCl	S2485
	Gemcitabine	S1714
	Terbinafine	S1725
	Mifepristone	S2606
	Prednisolone	S1737
	Teniposide	S1787
	Ouabain	S4016
	Esomeprazde sodium	S2233
	Clomifene citrate	S2561
	Daunorubicin HCl	S3035



Supplementary Figure S1. Selective chemicals inhibit Notch1 signaling in HeLa cells.

HeLa cells were treated with 0.1μM, 1μM, or 5μM concentration of Magnolol, Triptolide, Gemcitabine, Sorbitol, DAPT or DMSO (control)for 24h. (A) Cells were lysed and subjected to a luciferase assay. The luciferase reporter activity in each sample was normalized to Renilla protein activity. (B) Cells were harvested and Total RNA was isolated and subjected to qRT-PCR analysis. Data were normalized to β-Actin expression. (C) Treated cell lysates were subjected to Western blotting with antibodies against NICD, HES1, and β-Actin. We used ImageJ software (NIH, Bethesda, NY, USA) to analyze the membranes. (D) HeLa cells were treated with control (DMSO) or respective concentrations of 100 nM, 1◎M, and 5◎◎M for Gemcitabine, Sorbitol, DAPT and TP. Cells were cultured for 48 hours. Cell viability was measured by MTT assay in 24-well plates. The results represent the means ± S.D. of three independent experiments performed in triplicate. *, P<0.05; **, P<0.01.