**Supplementary Figure 1.**

Fig. S1. Effect of sauchinone on cell viability of normal breast epithelial cells and normal bronchial epithelial cells. Cells were treated with sauchinone for 72 h, followed by MTS assay. Data are presented using triplicate wells per group and statistical significance was determined by one-way ANOVA. NS, not significant.
**Supplementary Figure 2.**

**A**

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<th>Sauchinone</th>
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![Images showing the effect of sauchinone on cell invasion in Mmp13-knockdown breast cancer cells.](image)

**B**

![Bar chart showing the relative number of invaded cells](chart)

**Fig. S2. Effect of sauchinone on cell invasion in Mmp13-knockdown breast cancer cells.** A, MTV/TM-011 cells expressing siCtrl or siMmp13 were seeded in matrigel-coated inserts and incubated with sauchinone (25 μM) for 30 h, followed by invasion assay. B, The invaded cells were counted and quantified using Image J. Scale bar = 200 μm. Data are presented using triplicate wells per group and statistical significance was determined by one-way ANOVA. ***, p < 0.001**; NS, not significant.
Supplementary Figure 3.

Fig. S3. Effect of sauchinone on cell migration following MMP13 overexpression in Mmp13-knockdown breast cancer cells. A, MTV/TM-011 cells were transfected with siCtrl or siMmp13 for 24 h. The Mmp13-knockdown cells were transfected with plasmids expressing mock or MMP13 for another 24 h. Cells were seeded in culture-inserts and incubated with sauchinone (25 μM) for 48 h. Scale bar = 200 μm. B, Data are presented using triplicate wells per group and statistical significance was determined by one-way ANOVA. *, p<0.05; ***, p<0.001; NS, not significant.