Supplementary data 1. (A) Cell viabilities of two other OSCC cell lines Tca8113 and SCC-25 influenced by ID09 in dose and time-dependent manner were detected by CCK8 assay. (B and C) IC50 of ID09 in four kinds of OSCC cell lines including SCC-15, Cal-27, Tca8113 and SCC-25 were measured by CCK8 and calculated via linear-regression analysis. (D) CCK8 was selected to compare cell viability between normal non-cancerous oral cells (HOK and HGF) and SCC-15 cell line incubated with ID09 in dose and time-dependent manner. The columns represent the means and error bars represent standard deviations. (NS, non-significant difference; */#P < 0.05; **/#P < 0.01; ***/### P < 0.001 versus the indicated group).

| Cell Line | Regression Equation | R Value | IC50  |
|-----------|---------------------|---------|-------|
| SCC-15    | Y = 0.01202*X + 0.2345 | 0.9848  | 22.09 nM |
| Cal-27    | Y = 0.01154*X + 0.2322 | 0.9776  | 23.21 nM |
| Tca8113   | Y = 0.01257*X + 0.2719 | 0.9669  | 18.15 nM |
| SCC-25    | Y = 0.01042*X + 0.3207 | 0.9736  | 17.21 nM |