

## Anticancer agent 273

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

### Biological Description

Description	Anticanceragent 273 (Compound 9q) is an effective anticancer compound identified from matrine. It inhibits cancer cell proliferation, with an IC50 of 4.48 $\mu$ M against HeLa cells. Anticanceragent 273 exerts its anticancer effects by modulating PI3K/AKT expression and activating activating transcription factor 4 (ATF4), which induces endoplasmic reticulum stress and triggers apoptosis. It holds potential for cancer research, including cervical cancer.
Targets(IC50)	Apoptosis,Akt,PI3K

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481