

## AS 1411

Cat. No.:	HY-147081
CAS No.:	301636-59-9
Molecular Weight:	8272.31
Sequence:	DNA, d(G-G-T-G-G-T-G-G-T-G-G-T-G-G-T-G-G-T-G-G-T-G-G)
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

# AS 1411

### BIOLOGICAL ACTIVITY

#### Description

AS1411 is a nucleic acid aptamer that targets nucleolin. AS1411 can deliver nanoparticles, oligonucleotides, and small molecules to cancer cells, exerting antitumor effects<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Teng Y, et al. AS1411 alters the localization of a complex containing protein arginine methyltransferase 5 and nucleolin. *Cancer Res.* 2007;67(21):10491-10500.
- [2]. Soundararajan S, et al. The nucleolin targeting aptamer AS1411 destabilizes Bcl-2 messenger RNA in human breast cancer cells. *Cancer Res.* 2008;68(7):2358-2365.
- [3]. Bates P J, et al. G-quadruplex oligonucleotide AS1411 as a cancer-targeting agent: Uses and mechanisms[J]. *Biochimica et Biophysica Acta (BBA)-General Subjects*, 2017, 1861(5): 1414-1428.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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