

## GTI 2040

Cat. No.:	HY-153834
CAS No.:	236391-66-5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

# GTI 2040

### BIOLOGICAL ACTIVITY

#### Description

GTI-2040, a 20-mer phosphorothioate oligonucleotide, was designed to hybridize to the mRNA sequence of human ribonucleotide reductase R2. GTI-2040 has been shown to inhibit human cancer cell proliferation by downregulation of R2 expression in vitro and to significantly inhibit tumor growth in xenograft models of human cancer in mice.

### REFERENCES

- [1]. Vassilakos A, Lee Y, Viau S, et al. GTI-2040 displays cooperative anti-tumor activity when combined with interferon alpha against human renal carcinoma xenografts. *Int J Oncol.* 2009;34(1):33-42.
- [2]. Ferdinandi ES, Vassilakos A, Lee Y, et al. Preclinical toxicity and toxicokinetics of GTI-2040, a phosphorothioate oligonucleotide targeting ribonucleotide reductase R2. *Cancer Chemother Pharmacol.* 2011;68(1):193-205. doi:10.1007/s00280-010-1473-z

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

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