

Gint4.T aptamer sodium

Cat. No.:	HY-160053
Target:	PDGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Gint4.T aptamer (sodium)

BIOLOGICAL ACTIVITY

Description	Gint4.T aptamer sodium is a nuclease-resistant RNA aptamer-based antagonist targeting platelet-derived growth factor receptor beta (PDGFR β) (Kd: 9.6 nM). Gint4.T aptamer sodium inhibits PDGFR β heterodimerization and EGFR transactivation. It can significantly inhibit cell migration and proliferation, induce differentiation and prevent tumor growth in vivo. Gint4.T aptamer sodium specifically inhibits PDGFR β -mediated tropism of mesenchymal stem cells (MSCs) toward the tumor microenvironment ^[1] .
IC ₅₀ & Target	PDGFR β ^[1]

REFERENCES

[1]. Camorani S, Esposito CL, Rienzo A, Catuogno S, Iaboni M, Condorelli G, de Franciscis V, Cerchia L. Inhibition of receptor signaling and of glioblastoma-derived tumor growth by a novel PDGFR β aptamer. Mol Ther. 2014 Apr;22(4):828-41.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA