

Rovunaptabin

Cat. No.:	HY-148826
CAS No.:	145563-68-4
Sequence:	DNA, d(G-G-T-T-G-G-T-G-T-G-G-T-T-G-G)
Target:	Thrombin (3'-5')d(G-G-T-T-G-G-T-G-T-G-G-T-T-G-G)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Rovunaptabin (ARC 183) is a DNA aptamer, which is a single-stranded DNA molecule consisting of 15 deoxynucleotides that forms well-defined three-dimensional configuration, allowing it to bind to thrombin with high affinity and specificity.

REFERENCES

[1]. Bompiani KM, Monroe DM, Church FC, Sullenger BA. A high affinity, antidote-controllable prothrombin and thrombin-binding RNA aptamer inhibits thrombin generation and thrombin activity. *J Thromb Haemost.* 2012;10(5):870-880.

[2]. Bonifacio L, Church FC, Jarstfer MB. Effect of locked-nucleic acid on a biologically active g-quadruplex. A structure-activity relationship of the thrombin aptamer. *Int J Mol Sci.* 2008;9(3):422-433.

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