

## Egaptivon pegol sodium

Cat. No.:	HY-147079A
Molecular Formula:	$C_{413}H_{506}N_{144}Na_{40}O_{275}P_{40}S(C_2H_4O)_n$
Molecular Weight:	54845.9
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Egaptivon pegol (sodium)

### BIOLOGICAL ACTIVITY

#### Description

Egaptivon pegol sodium is an aptamer, which blocks binding of the von Willebrand Factor (VWF) to platelet GPIb receptors. Egaptivon pegol sodium has anti-thrombotic efficacy.

### REFERENCES

- [1]. Avdonin PP, Trufanov SK, Rybakova EY, Tsitrina AA, Goncharov NV, Avdonin PV. The Use of Fluorescently Labeled ARC1779 Aptamer for Assessing the Effect of H2O2 on von Willebrand Factor Exocytosis. *Biochemistry (Mosc)*. 2021;86(2):123-131.
- [2]. Jilma-Stohlawetz P, Gorczyca ME, Jilma B, Siller-Matula J, Gilbert JC, Knöbl P. Inhibition of von Willebrand factor by ARC1779 in patients with acute thrombotic thrombocytopenic purpura. *Thromb Haemost*. 2011;105(3):545-552.
- [3]. Spiel AO, Mayr FB, Ladani N, et al. The aptamer ARC1779 is a potent and specific inhibitor of von Willebrand Factor mediated ex vivo platelet function in acute myocardial infarction. *Platelets*. 2009;20(5):334-340.

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

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