

## ARC19499 sodium

Cat. No.:	HY-153480A
Molecular Weight:	11837.6
Target:	Factor Xa
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## ARC19499 (sodium)

### BIOLOGICAL ACTIVITY

#### Description

ARC19499 sodium is an aptamer that inhibits tissue factor pathway inhibitor (TFPI), thereby enabling clot initiation and propagation via the extrinsic pathway. The core aptamer binds tightly and specifically to TFPI. ARC19499 sodium blocks TFPI inhibition of both factor Xa and the TF/factor VIIa complex. ARC19499 sodium corrects thrombin generation in hemophilia A and B plasma and restores clotting in FVIII-neutralized whole blood.

### REFERENCES

- [1]. Waters EK, Genga RM, Schwartz MC, et al. Aptamer ARC19499 mediates a procoagulant hemostatic effect by inhibiting tissue factor pathway inhibitor. *Blood*. 2011;117(20):5514-5522.
- [2]. Gissel M, Orfeo T, Foley JH, Butenas S. Effect of BAX499 aptamer on tissue factor pathway inhibitor function and thrombin generation in models of hemophilia. *Thromb Res*. 2012;130(6):948-955.

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

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