

Avacincaptad pegol sodium

Cat. No.:	HY-147080
CAS No.:	1491144-00-3
Sequence:	Poly(oxy-1,2-ethanediyl), α -hydro- ω -methoxy-, 5'-ether with RNA ((2'-deoxy-2'-fluoro) C-Gm-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)C-G-(2'-deoxy-2'-fluoro)C-Gm-Gm-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)C-A m-Gm-Gm-(2'-deoxy-2'-fluoro)C-G-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)U-Gm-A m-Gm-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)U-Gm-Am-Gm-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)U-(2'-deoxy-2'-fluoro)U-A-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)C-(2'-deoxy-2'-fluoro)U-Gm-(2'-deoxy-2'-fluoro)C-Gm-(3' \rightarrow 3')-dT) 5'-[6-[[[2,3-dihydroxypropoxy]carbonyl]amino]hexyl hydrogen phosphate], sodium salt (2:1:39)
Target:	Complement System
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Avacincaptad pegol sodium

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
-----------------	--

BIOLOGICAL ACTIVITY

Description	Avacincaptad pegol (ARC1905) is an anti-C5 RNA aptamer that inhibits the cleavage of complement factor 5 (C5) into C5a and C5b. Avacincaptad pegol is being used for the study of age-related macular degeneration (AMD).
--------------------	---

REFERENCES

- [1]. Powers, J. P., Dairaghi, D. J., & Jaen, J. C. (2011). Advances in the Discovery of C5a Receptor Antagonists. Annual Reports in Medicinal Chemistry, 171–186.
- [2]. Jaffe GJ, Westby K, Csaky KG, et al. C5 Inhibitor Avacincaptad Pegol for Geographic Atrophy Due to Age-Related Macular Degeneration: A Randomized Pivotal Phase 2/3 Trial. Ophthalmology. 2021;128(4):576-586.
- [3]. Patel SS, Lally DR, Hsu J, et al. Avacincaptad pegol for geographic atrophy secondary to age-related macular degeneration: 18-month findings from the GATHER1 trial [published online ahead of print, 2023 Mar 24]. Eye (Lond). 2023;10.1038/s41433-023-02497-w.

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