

## Raleukin

Cat. No.:	HY-108841
CAS No.:	143090-92-0
Molecular Formula:	$C_{759}H_{1186}N_{208}O_{232}S_{10}$
Molecular Weight:	17257.6
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Raleukin (AMG-719) is a recombinant, nonglycosylated human interleukin-1 receptor (IL-1R) antagonist. Raleukin (AMG-719) is the first biological agent to block the pro-inflammatory effects <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IL-1
In Vivo	Combined Etanercept (5 mg/kg, ip) and Anakinra (100 mg/kg, ip, daily for 7 days) substantially improves marginal mass human islet engraftment in immunodeficient mice <sup>[2]</sup> . Raleukin (AMG-719) enhances tumor growth inhibition in mice receiving peptide vaccination and $\beta$ -(1-3),(1-6)-D-glucan <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Circulation. 2021 Sep 14;144(11):893-908.
- Small Methods. 2023 Feb 26;e2201300.
- Cell Death Dis. 2017 Nov 16;8(11):e3170.
- Cell Rep. 2022 Jan 25;38(4):110284.
- JCI Insight. 2022 Oct 20;e157285.

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### REFERENCES

[1]. Cvetkovic RS, et al. Anakinra. *BioDrugs*. 2002;16(4):303-11; discussion 313-4.

[2]. McCall M, et al. Anakinra potentiates the protective effects of etanercept in transplantation of marginal mass human islets in immunodeficient mice. *Am J Transplant*. 2012 Feb;12(2):322-9.

[3]. Harnack U, et al. IL-1 receptor antagonist anakinra enhances tumour growth inhibition in mice receiving peptide vaccination and beta-(1-3),(1-6)-D-glucan. *Anticancer Res*. 2010 Oct;30(10):3959-65.

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**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](mailto:tech@MedChemExpress.com)

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