

Raleukin

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| 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

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| 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 ^{[1][2]} . |
| IC ₅₀ & 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 ^[2] . Raleukin (AMG-719) enhances tumor growth inhibition in mice receiving peptide vaccination and β-(1-3),(1-6)-D-glucan ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

CUSTOMER VALIDATION

- Nat Nanotechnol. 2023 Dec 5.
- Circulation. 2021 Sep 14;144(11):893-908.
- Cell Metab. 2024 Jan 2;36(1):90-102.e7.
- Nat Commun. 2024 Oct 22;15(1):9101.
- Nat Commun. 2023 Jul 31;14(1):4600.

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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.

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