

## Anakinra

## Chemical Properties

CAS No. : 143090-92-0  
Formula:  
Molecular Weight:  
Storage: Store at 4°C  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Anakinra (Raleukin) is a cytokine inactivator and interleukin 1 receptor antagonist that can be used to study secondary phagocytic lymphohistiocytosis and rheumatoid arthritis.
Targets(IC50)	IL Receptor,Interleukin
In vivo	Etanercept was administered intraperitoneally at a dose of 5 mg/kg, and Anakinra was administered intraperitoneally at a dose of 100 mg/kg once daily for 7 days. The combination of the two significantly improved the survival of borderline mass human islet grafts in immunodeficient mice. [2] Anakinra enhances tumor growth inhibition in mice treated with peptide vaccines and beta-(1-3),(1-6)-D-glucan. [3]

## Reference

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