

Olendalizumab

Chemical Properties

CAS No. : 2210314-30-8

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Olendalizumab is a humanized monoclonal antibody targeting complement component C5a. Olendalizumab blocks the interaction between C5a and receptor C5aR(CD88) by specifically binding C5a, thus inhibiting C5a-mediated inflammatory reaction and chemotaxis and activation of neutrophils. Olendalizumab is used for inflammatory diseases mediated by complement, such as sepsis, graft-versus-host disease (GVHD) and viral infection (such as COVID-19).
Targets(IC50)	Complement System
In vitro	In a Gyrolab assay, Olendalizumab demonstrated high specificity as a biotinylated capture reagent (working concentration: 100 µg/mL in Bioaffy wash 1), working alongside AlexaFluor-labeled anti-C5a clone 2942 (4 µg/mL in Rxxip F) to enable precise quantitation of free C5a in human plasma [1].
In vivo	In viral infection models, Olendalizumab acted as a potent C5a inhibitor to mitigate lung injury mediated by complement components (C3, C5a, C5b-9) and receptors (C3aR, C5aR), specifically blocking the non-silent complement activation triggered by coronaviruses [2].

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