

## Ianalumab

## Chemical Properties

CAS No. :	1929549-92-7
Formula:	
Molecular Weight:	146.44 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Ianalumab (VAY-736) is a decarboxylated humanized antibody against BAFF-R that inhibits the interaction between BAFF and BAFF-R, blocking BAFF-mediated apoptosis protection. Ianalumab exhibits antibody-dependent cytotoxicity (ADCC) and activates effector cells via the immune receptor tyrosine activation motif (ITAM).
Targets(IC50)	Others,TNF
In vitro	Ianalumab (0.1 µg/mL; 72 h) demonstrates significant antibody-dependent cell-mediated cytotoxicity (ADCC) against natural killer cells in chronic lymphocytic leukemia (CLL), enhancing cytokine production[1].
In vivo	Ianalumab (total dose: 100 mg/kg; once a week; for 2 weeks) increases the survival rate in a mouse model of chronic lymphocytic leukemia (CLL)[1]. Ianalumab (10 mg/kg; once a week; for 6 weeks), when modulated with Ibrutinib, demonstrates enhanced functionality of NK cells[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0683 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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