

## Mirikizumab

## Chemical Properties

CAS No. :	1884201-71-1
Formula:	
Molecular Weight:	144.26 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	Mirikizumab (LY3074828) is a humanized monoclonal antibody targeting the p19 subunit of interleukin-23 (IL-23), modulating immune response by inhibiting IL-23 binding to IL-23R, used in studies of ulcerative colitis.
Targets(IC50)	IL Receptor, Interleukin
In vitro	Mirikizumab binds IL-23 in humans and monkeys with high affinity, with Kd values of 21 pM and 55 pM, respectively. [1]
In vivo	Mirikizumab (4.4 pm-800 nM, 48 h) completely neutralizes IL-17A induced by human and cynocytic monkey IL-23 in mouse spleen cells with IC50 of 82 pM and 120 pM, respectively. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0347 mL	0.0693 mL
5 mM	0.0014 mL	0.0069 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.0069 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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