

## Tildrakizumab

## Chemical Properties

CAS No. :	1326244-10-3
Formula:	
Molecular Weight:	144.44 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	Tildrakizumab (SCH 900222) is a potent humanized monoclonal antibody targeting the p19 subunit of IL-23 with a Kd value of 136 pM, useful for studying psoriasis.
Targets(IC50)	IL Receptor, Interleukin
In vitro	Tildrakizumab inhibits IL-23-induced STAT3 signaling in HeLa cells expressing human IL-23R $\alpha$ and IL-12R $\beta$ 1 receptors, with an IC50 of 23 pM[2], and reduces the affinity of IL-23 for IL-23R $\alpha$ through negative allosteric modulation[2].
In vivo	Tildrakizumab (100 mg/kg, subcutaneous injection, every two weeks, up to 9 months) demonstrates good tolerability in cynomolgus monkeys (toxicity study)[3].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0692 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 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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