

ABX-IL8

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 143.94 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	ABX-IL8 is a humanized antibody targeting IL-8, which interferes with the tubular formation of human umbilical vein endothelial cells, inhibiting angiogenesis, tumor growth, and metastasis in human melanoma.
Targets(IC50)	CXCR,IL Receptor,Interleukin
In vitro	ABX-IL8 (100 µg/ml) did not affect the proliferation of A375SM and TXM-13 melanoma cells, but down-regulated the activity of MMP-2 metalloproteinase, which inhibited the invasion of human melanoma cells. ABX-IL8 (100 µg/ml) directly interferes with tubule formation of human umbilical vein endothelial cells. [1] ABX-IL8 blocking IL-8 significantly inhibited the expression, activity, and transcription of MMP-2 and MMP-9, resulting in reduced invasion through remodeling the basement membrane in vitro. [2]
In vivo	In nude mice treated with ABX-IL8 (1 mg/3 times weekly, intravitreal injection for 3 weeks) subcutaneously injected with A375SM and TXM-13, results showed that tumor growth of both types of melanoma was significantly inhibited in ABX-IL8-treated mice. [1]

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.0069 mL	0.0347 mL	0.0695 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

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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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