

## HOXB7 (8-25) TFA

## Chemical Properties

CAS No. :

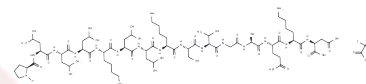
Formula: C75H135N19O20.XCF3COOH

Molecular Weight: 1623.00

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description

HOXB7 (8-25), a peptide fragment derived from homeobox B7 (HOXB7)—a key controller of cell growth and oncogene activator—facilitates antigen presentation when pulsed onto dendritic cells obtained from human peripheral blood mononuclear cells (PBMCs). This process promotes the activation and interferon-gamma (IFN- $\gamma$ ) production by CD4+ helper T cells, triggering targeted and broad-spectrum antitumor responses.

## Solubility Information

Solubility

DMSO: 5 mg/mL (3.08 mM), Sonication is recommended.  
 PBS pH 7.2: 10 mg/mL (6.16 mM), Sonication is recommended.  
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6161 mL	3.0807 mL	6.1614 mL
5 mM	0.1232 mL	0.6161 mL	1.2323 mL
10 mM	0.0616 mL	0.3081 mL	0.6161 mL
50 mM	0.0123 mL	0.0616 mL	0.1232 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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