

CCP peptide TFA

Chemical Properties

CAS No. :

Formula: C89H146N41F3O34S2

Molecular Weight: 2455.49

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	CCP Peptide TFA, a synthetic cyclic citrullinated peptide, serves as a serological substrate for the detection of anti-CCP antibodies and is a highly specific target for autoantibodies associated with rheumatoid arthritis (RA) [1] [2].
In vivo	The CCP peptide is utilized as a novel antigen substrate in the anti-CCP ELISA to detect antibodies against citrullinated proteins (ACPA). This ELISA demonstrates exceptionally high specificity (98%) and reasonable sensitivity (68%). It is highly valuable in the diagnosis and management strategies for rheumatoid arthritis (RA) [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4073 mL	2.0363 mL	4.0725 mL
5 mM	0.0815 mL	0.4073 mL	0.8145 mL
10 mM	0.0407 mL	0.2036 mL	0.4073 mL
50 mM	0.0081 mL	0.0407 mL	0.0815 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

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