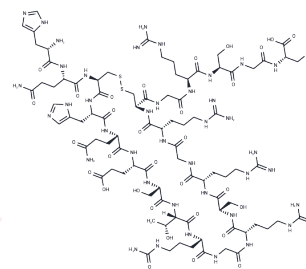


CCP peptide acetate

Chemical Properties

CAS No. :	TP1409L
Formula:	C89H149N41O34S2
Molecular Weight:	2401.52
Appearance:	no data available
Storage:	keep away from moisture,store at low temperature,keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CCP peptide acetate is a synthetic cyclic citrullinated peptide (CCP). CCP peptide acetate can be used as the substrate for detecting anti-CCP antibodies serologically. CCP peptide acetate functions as a target for autoantibodies with a very high specificity for rheumatoid arthritis (RA).
Targets(IC50)	Others
In vitro	CCP peptide acetate is used as a new antigenic substrate in anti-CCP ELISA to detect anti-citrullinated protein antibodies (ACPAs). The anti-CCP ELISA is extremely specific (98%), with a reasonable sensitivity (68%). The anti-CCP ELISA is very useful for diagnostic and therapeutic strategies in rheumatoid arthritis (RA)[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4164 mL	2.082 mL	4.164 mL
5 mM	0.0833 mL	0.4164 mL	0.8328 mL
10 mM	0.0416 mL	0.2082 mL	0.4164 mL
50 mM	0.0083 mL	0.0416 mL	0.0833 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.

Reference

Puszczewicz M, et al. Role of anti-citrullinated protein antibodies in diagnosis and prognosis of rheumatoid arthritis. Arch Med Sci. 2011 Apr;7(2):189-94.

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