

amyloid A protein fragment [Homo sapiens]

## Chemical Properties

CAS No. :

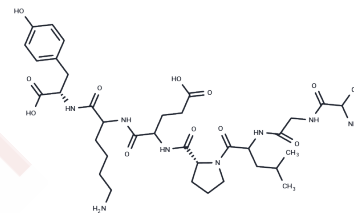
Formula: C36H56N8O11

Molecular Weight: 776.88

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

Amyloid A proteins (H2N-Ala-Gly-Leu-Pro-Glu-Lys-Tyr-OH) are a family of apolipoproteins associated with high-density lipoprotein in plasma. Different isoforms of SAA are expressed constitutively at different levels or in response to inflammatory stimuli. Serum amyloid A (SAA) is also an acute-phase marker that responds rapidly. Like CRP, levels of acute-phase SAA increase within hours after an inflammatory stimulus, but the magnitude of the increase may be greater than that of CRP. Relatively trivial inflammatory stimuli can lead to SAA responses. It has been suggested that SAA levels correlate better with disease activity in early inflammatory joint disease than do ESR and CRP levels. Although SAA is largely produced by hepatocytes, more recent studies show that SAA is also produced by adipocytes and that its serum concentration is associated with body mass index [3].

Targets(IC50)

Others

## Solubility Information

Solubility

DMSO:  $\geq 77.7$  mg/mL, Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.2872 mL	6.436 mL	12.872 mL
5 mM	0.2574 mL	1.2872 mL	2.5744 mL
10 mM	0.1287 mL	0.6436 mL	1.2872 mL
50 mM	0.0257 mL	0.1287 mL	0.2574 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.

**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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