

$\beta$ -Interleukin I (163-171), human Acetate

## Chemical Properties

CAS No. :

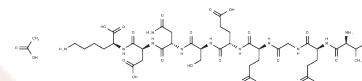
Formula: C41H68N12O21

Molecular Weight: 1065.05

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	$\beta$ -Interleukin I (163-171), human Acetate is a peptide that participate in the regulation of immune responses, inflammatory reactions, and hematopoiesis.
Targets(IC50)	Others
In vitro	Interleukin-1 beta (IL-1 $\beta$ ) is a member of the interleukin 1 cytokine family. This cytokine is an important inflammatory response mediator, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis[1].

## Solubility Information

Solubility	H2O: 20 mg/mL (18.78 mM), Sonication is recommended. DMSO: 97 mg/mL (91.08 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9389 mL	4.6946 mL	9.3892 mL
5 mM	0.1878 mL	0.9389 mL	1.8778 mL
10 mM	0.0939 mL	0.4695 mL	0.9389 mL
50 mM	0.0188 mL	0.0939 mL	0.1878 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.

Reference

Feldmeyer L , Werner S , French L E , et al. Interleukin-1, inflammasomes and the skin[J]. European journal of cell biology, 2010, 89(9):638-644.

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