

## AF 12198 Acetate

## Chemical Properties

CAS No. :

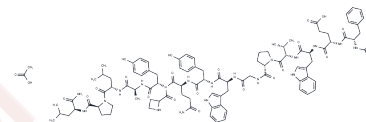
Formula: C98H127N19O24

Molecular Weight: 1955.17

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	AF 12198 Acetate is a novel low molecular weight antagonist of IL-1
Targets(IC50)	IL Receptor
In vitro	?In vitro, AF12198 inhibits IL-1-induced IL-8 production by human dermal fibroblasts with a half-maximal inhibition concentration or IC50 of 25 nM and IL-1-induced intercellular adhesion molecule-1 (ICAM-1) expression by endothelial cells with an IC50 of 9 nM[1].
In vivo	When given as an intravenous infusion to cynomolgus monkeys, AF12198 blocks ex vivo IL-1 induction of IL-6 and down modulates in vivo induction of IL-6.?This is the first small molecule to show IL-1 receptor antagonist activity in vivo[1].?

## Solubility Information

Solubility	DMSO: 60 mg/mL (30.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

### Preparing Stock Solutions

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.5115 mL	2.5573 mL	5.1146 mL
5 mM	0.1023 mL	0.5115 mL	1.0229 mL
10 mM	0.0511 mL	0.2557 mL	0.5115 mL
50 mM	0.0102 mL	0.0511 mL	0.1023 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

Akeson A L , Woods C W , Hsieh L C , et al. AF12198, a Novel Low Molecular Weight Antagonist, Selectively Binds the Human Type I Interleukin (IL)-1 Receptor and Blocks in Vivo Responses to IL-1[J]. Journal of Biological Chemistry, 1996, 271(48):30517.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481