

## Alarin (human) acetate

## Chemical Properties

CAS No. :

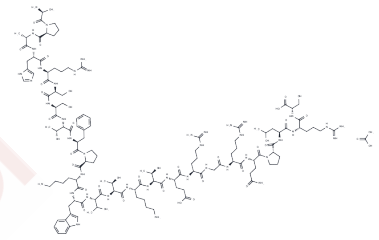
Formula: C129H209N43O37

Molecular Weight: 2954.36

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	Alarin (human) acetate is a neuropeptide belonging to the hypothalamic galanin family, widely expressed in the central nervous system and peripheral tissues of humans and rodents. It possesses the signal sequence of the GALP precursor peptide and the first five amino acids of mature GALP lacking exon 3. Alarin exhibits vasoactive, anti-inflammatory, anti-oedematous, and antibacterial properties, alongside central regulatory functions in energy homeostasis, glucose homeostasis, body temperature, and reproductive hormone secretion.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 100 mg/mL (33.85 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	0.3385 mL	1.6924 mL	3.3848 mL
5 mM	0.0677 mL	0.3385 mL	0.677 mL
10 mM	0.0338 mL	0.1692 mL	0.3385 mL
50 mM	0.0068 mL	0.0338 mL	0.0677 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

Radmila Santic , et al. Alarin is a vasoactive peptide. Proc Natl Acad Sci U S A. 2001, 104, 24.

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