

## Adrenomedullin (AM) (13-52), human

## Chemical Properties

CAS No. : 154765-05-6

Formula: C200H308N58O59S2

Molecular Weight: 4533.10

Keep away from moisture, Keep away from direct sunlight

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

SFQCRFGTCTVQRLAKHYQFTKDKDKMWRPQKIPQDY-AM<sub>1</sub> (Biosulfide bridge: Cys<sub>1</sub>-Cys<sub>2</sub>)

## Biological Description

Description	Adrenomedullin (AM) (13-52), human is a 40-amino acid peptide belonging to the calcitonin gene-related peptide (CGRP) family. As a potent endothelium-dependent vasodilator, it regulates vascular tone by acting on the CGRP1 receptor and can inhibit pulmonary vasoconstriction.
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## Solubility Information

Solubility	H2O: 53.34 mg/mL (11.77 mM), Sonication is recommended. DMSO: 13.34 mg/mL (2.94 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	0.2206 mL	1.103 mL	2.206 mL
5 mM	0.0441 mL	0.2206 mL	0.4412 mL
10 mM	0.0221 mL	0.1103 mL	0.2206 mL
50 mM	0.0044 mL	0.0221 mL	0.0441 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

Gumusel B, et al. Analysis of responses to adrenomedullin-(13-52) in the pulmonary vascular bed of rats. Am J Physiol. 1998 Apr;274(4 Pt 2):H1255-63.

Kita, T., et al. Translational studies of adrenomedullin and related peptides regarding cardiovascular diseases. Hypertens Res 45, 389-400 (2022).

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