
Product Data Sheet

Product Name: Adrenomedullin (AM) (13-52), human

Cat. No.: GC32622

Chemical Properties

Cas. No. 154765-05-6

SMILES Ser-Phe-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Val-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Asn-Val-Ala-Pro-Arg-Ser-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH₂ (Disulfide bridge: Cys16-Cys21)Formula C₂₀₀H₃₀₈N₅₈O₅₉S₂ M.Wt 4533.1

Solubility DMSO : 16.67 mg/mL (3.68 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Adrenomedullin (AM) (13-52), human is a 40 amino acid peptide, which acts as an endothelium-dependent vasodilator agent.

The effects of Adrenomedullin (AM) (13-52), human [hADM-(13-52)] are investigated in the rat pulmonary vascular bed and in isolated rings from the rat pulmonary artery (PA). Under conditions of controlled blood flow and constant left atrial pressure when tone is increased with U-46619, injection of hADM-(13-52) produces dose-related decreases in lobar arterial pressure. hADM-(13-52) modulates receptor-mediated, but not voltage-dependent, pulmonary vascular contraction by influencing Ca²⁺ influx[1].

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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