

Product Data Sheet

Product Name: Adrenomedullin (1-12), human

Cat. No.: GP10113

Chemical Properties

Cas. No.

SMILES N[C@@H](CC1=CC=C(O)C=C1)C(N[C@@H](CCCNC(N)=N)C(N[C@@H](CCC(N)=O)C(N[C@@H](CO)C(N[C@@H](CCSC)C(N[C@@H](CC(N)=O)C(N[C@@H](CC(N)=O)C(N[C@@H](CC2=CC=CC=C2)C(N[C@@H](CCC(N)=O)C(NCC(N[C@@H](CC(C)C)C(N[C@@H](CCCNC(N)=N)C(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O

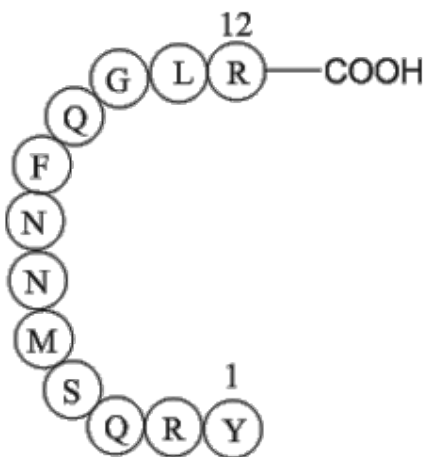
Formula $C_{64}H_{100}N_{22}O_{19}S$ M.Wt 1513.68

Solubility $\geq 151.3\text{mg/mL}$ in DMSO 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) (1-12), human ($C_{64}H_{100}N_{22}O_{19}S_1$), is a peptide with the sequence Tyr-Arg-Gln-Ser-Met-Asn-Asn-Phe-Gln-Gly-Leu-Arg. It was first discovered to be associated with pheochromocytoma, a tumor arising from adrenal medulla, in 1993. AM was initially identified as a

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

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vasodilator, and as such, it has the ability to relax vascular tone. Previous research cited it as the most potent endogenous vasodilatory peptide found in the body. Other effects of AM include the increase of cell tolerance to oxidative stress and hypoxic injury and angiogenesis. AM is seen as a positive influence in diseases such as hypertension, myocardial infarction, chronic obstructive pulmonary disease and other cardiovascular conditions.

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