

## C-Type Natriuretic Peptide (1-53), human TFA

<b>Cat. No.:</b>	HY-P1815A
<b>Molecular Formula:</b>	$C_{251}H_{417}N_{81}O_{71}S_3 \cdot C_2HF_3O_2$
<b>Molecular Weight:</b>	5915.79
<b>Sequence:</b>	Asp-Leu-Arg-Val-Asp-Thr-Lys-Ser-Arg-Ala-Ala-Trp-Ala-Arg-Leu-Leu-Gln-Glu-His-Pro-Asn-Ala-Arg-Lys-Tyr-Lys-Gly-Ala-Asn-Lys-Lys-Gly-Leu-Ser-Lys-Gly-Cys-Phe-Gly-Leu-Lys-Leu-Asp-Arg-Ile-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys (Disulfide bridge:Cys37-Cys55)
<b>Sequence Shortening:</b>	DLRVDTKSRAAWARLLQEHPNARKYKGANCKGLSKGCFGLKLDRIKMSGLGC (Disulfide bridge:Cys37-Cys55)
<b>Target:</b>	Angiotensin Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Sealed storage, away from moisture and light, under nitrogen Powder    -80°C    2 years -20°C    1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

### BIOLOGICAL ACTIVITY

#### Description

C-Type Natriuretic Peptide (1-53), human TFA is the 1-53 fragment of C-Type Natriuretic Peptide. C-Type Natriuretic Peptide TFA is natriuretic peptide family peptide that is involved in the maintenance of electrolyte-fluid balance and vascular tone<sup>[1]</sup>

### REFERENCES

[1]. Minamino N, et al. N-terminally extended form of C-type natriuretic peptide (CNP-53) identified in porcine brain. Biochem Biophys Res Commun. 1990 Jul 31;170(2):973-9.

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

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