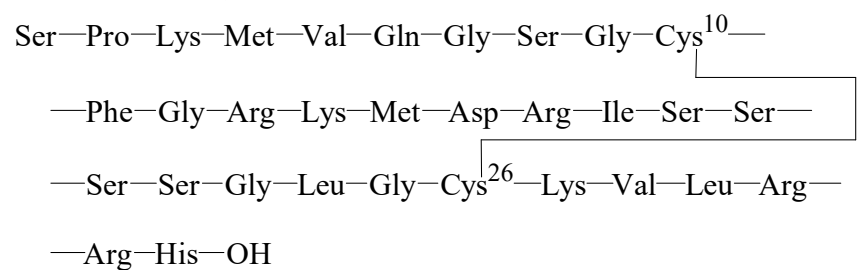




>>Entry Name: Nesiritide, INN, USAN

Synonym(s): Natriuretic factor-32 (human brain clone λ hBNP57), 9CI



CAS Registry Number: 124584-08-3

Molecular Formula: C₁₄₃H₂₄₄N₅₀O₄₂S₄

Molecular Weight: 3464.074

Accurate Mass: 3461.73771

Percentage Composition: C 49.58%; H 7.10%; N 20.22%; O 19.40%; S 3.70%

Biological Use/Importance: Vasodilator and diuretic agent

Optical Rotation: $[\alpha]_{\text{D}}^{30} -57.1$ (c, 0.2 in 1M AcOH)

References:

- Sudoh, T. *et al.*, *Biochem. Biophys. Res. Commun.*, 1989, **159**, 1427-1434, (*cloning*)
Kambayashi, Y. *et al.*, *Biochem. Biophys. Res. Commun.*, 1990, **173**, 599-605, (*pharmacol*)
Nakao, K. *et al.*, *Can. J. Physiol. Pharmacol.*, 1991, **69**, 1500-1506, (*pharmacol*)
Kohno, M. *et al.*, *J. Clin. Invest.*, 1991, **87**, 1999-2004, (*pharmacol*)
Akaji, K. *et al.*, *J.A.C.S.*, 1992, **114**, 4137-4143, (*synth*)
Hunt, P.J. *et al.*, *J. Clin. Endocrinol. Metab.*, 1996, **81**, 3871-3876, (*activity*)