

Brain Natriuretic Peptide-45, rat TFA

Chemical Properties

CAS No. :
Formula:
Molecular Weight:
Appearance:
Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Brain Natriuretic Peptide-45, rat TFA (BNP-45, rat TFA) is an isoform of the rat brain natriuretic peptide extracted from the rat heart, exhibiting significant hypotensive and natriuretic effects [1].
In vivo	Brain Natriuretic Peptide-45, rat (BNP-45, 0.1-2.0 nmol/kg, i.v.), demonstrates significant natriuretic and hypotensive effects in anesthetized spontaneously hypertensive rats (SHR) and Wistar-Kyoto rats (WKY). Higher BNP-45 concentrations are more effective in reducing blood pressure in SHR, while WKY rats display increased sensitivity to its diuretic and natriuretic actions and greater urinary cGMP excretion. Elevated BNP-45 doses result in prolonged blood pressure reduction and urinary cGMP excretion in WKY [1].

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