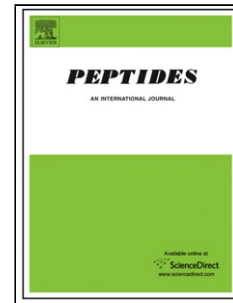


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Molecular forms of C-type natriuretic peptide in cerebrospinal fluid and plasma reflect differential processing in brain and pituitary tissues.

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Highlights

- CNP-53 predominates in all tissue and fluids (hypothalamus pituitary CSF and plasma)
- proCNP is increased by dexamethasone in all tissues/fluids except CSF
- CNP-22 is present in hypothalamus, posterior pituitary gland and CSF
- ProCNP is present, and CNP-22 is absent, from anterior pituitary gland and plasma
- Similar profiles in both tissues suggest the gland contributes to plasma CNP

Abstract

C-type natriuretic peptide (CNP) is a paracrine growth factor widely expressed within tissues of the central nervous system. Consistent with this is the high concentration of CNP in cerebrospinal fluid

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