



>>Entry Name: Pancreatic polypeptide, 9CI

H-Ala-Pro-Leu-Glu-Pro-Met-Tyr-Pro-Gly-Asp-Tyr-Ala-Thr-His-Glu-Gln-Arg-Ala-Gln-Tyr-Glu-Thr-Gln-Leu-Arg-Arg-Tyr-Ile-Asn-Thr-Leu-Thr-Arg-Pro-Arg-Tyr-NH₂

>>Variant: Rat pancreatic polypeptide

CAS Registry Number: 90419-12-8

Molecular Formula: C₁₉₅H₂₉₈N₅₈O₅₇S

Molecular Weight: 4398.92

Accurate Mass: 4396.192367

Percentage Composition: C 53.24%; H 6.83%; N 18.47%; O 20.73%; S 0.73%

Biological Source: Isol. from rat pancreas

Sigma: P6410

>>Variant: Human pancreatic polypeptide

Synonym(s): 6-L-Valine-11-L-asparagine-14-proline-17-L-methionine-21-L-alanine-22-alanine-33-L-aspartic acid-30-L-methionine pancreatic polypeptide (rat). hPP

CAS Registry Number: 75976-10-2

Molecular Formula: C₁₈₅H₂₈₇N₅₃O₅₄S₂

Molecular Weight: 4181.757

Accurate Mass: 4179.078247

Percentage Composition: C 53.14%; H 6.92%; N 17.75%; O 20.66%; S 1.53%

Biological Source: Isol. from human pancreas

Physical Description: Fluffy powder

Optical Rotation: $[\alpha]_D^{19} -48.9$ (c, 0.1 in H₂O)

Sigma: P9903

References:

Kimmel, J.R. *et al.*, *Endocrinology (Baltimore)*, 1984, **114**, 1725, (*isol, struct*)

Glover, I.D. *et al.*, *Eur. J. Biochem.*, 1984, **142**, 379, (*conformn*)

Sugiyama, N. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3585, (*synth, bibl, human*)

Kopin, A.S. *et al.*, *Arch. Biochem. Biophys.*, 1988, **267**, 742, (*struct*)

Yonekura, H. *et al.*, *J. Biol. Chem.*, 1988, **263**, 2990, (*struct*)