Table S1. Statistical analysis of pezadeftide structures. All statistics are given as mean ± SD.

Experimental restraints	
Total no. distance restraints	419
Intraresidue	128
Sequential	132
Medium range, $i\text{-}j<5$	53
Long range, $i\text{-}j\geq5$	106
Hydrogen bond restraints	24
Dihedral angle restraints	
Phi	38
psi	25
chi1	19
Deviations from idealized geometry	
Bond lengths (Å)	0.011 ± 0.000
Bond angles (deg)	1.076 ± 0.041
Impropers (deg)	1.36 ± 0.11
NOE (Å)	0.010 ± 0.002
cDih (deg)	0.056 ± 0.053
Mean energies (kcal/mol)	
Overall	−1626 ± 35
Bonds	20.2 ± 1.4
Angles	58.4 ± 5.3
Improper	23.3 ± 3.4
van Der Waals	−216.2 ± 7.2
NOE	0.04 ± 0.01
cDih	0.06 ±0.09
Electrostatic	−1738 ± 35
Violations	
NOE violations exceeding 0.2 Å	0
Dihedral violations exceeding 2.0 Å	0
Rms deviation from mean structure, Å	
Backbone atoms	1.59 ± 0.44
All heavy atoms	2.35 ± 0.45
Backbone atoms, residues 18-26,5-7,32-37,43-48	0.61 ± 0.14
All heavy atoms, residues 18-26,5-7,32-37,43-48	1.30 ± 0.23
Stereochemical quality (according to MolProbity)	
Residues in most favoured Ramachandran region, %	94.7 ± 2.2
Ramachandran outliers, %	0.6 ± 1.3
Unfavourable sidechain rotamers, %	0.3 ± 0.7
Clashscore, all atoms	14.6 ± 4.1
Overall MolProbity score	2.1 ± 0.1