Table 5. Solvent-accessible surfaces for α-helical transition of GIP_{6-28}

	ASA GIP_{6-28} extended*	ASA GIP_{6-28} α-helical**	ΔASA GIP_{6-28}***	ΔΔASA ITC/structure****
Apolar	1,897	1585	-312	-504 ± 114
Polar	1,616	833	-783	-1012 ± 112
Total	3,513	2418	-1095	-1516 ± 226

Solvent accessible surfaces (ASA) were calculated using the program AREAIMOL from CCP4 software package (probe radius 1.4 Å).

*GIP residues 6-28 in hypothetical extended conformation (dihedral angles according to anti-parallel β-sheet).

**GIP residues 6-28 as seen in the crystal structure of the complex.

***ΔASA calculated from hypothetical transition between extended and helical conformation of GIP_{6-28}.

****ΔΔASA between structure-derived and calorimetry-derived ΔASA values (SI Table 4).