Table 4. Comparison of changes in solvent-accessible surfaces

		Crystal structure*,***	Binding analysis*,****
ΔC_p	(J mol^{-1} K^{-1})	-1,221	**-1,066 ± 87**
$\Delta H(333K)$	(kJ mol^{-1})	-20.4	**-1,35.3 ± 11**
ΔASA_{apolar}	(Å^2)	**-877**	-1,381 ± 114
ΔASA_{polar}	(Å^2)	**-392**	-1,404 ± 112
ΔASA_{total}	(Å^2)	**-1,269**	-2,785 ± 226

* Bold numbers represent experimentally determined values.

Change of solvent-accessible surface of GIPR ECD-GIP complex calculated from the crystal structure of the complex and the same structures of GIP and GIPR ECD, separately, using the program AREAIMOL from CCP4 software package (probe radius 1.4 Å (1). ΔC_p calculated according to equation **1, ΔH at 333K calculated according to equation **2**.

***Changes in solvent-accessible surfaces calculated according to equations **1** and **2** and experimentally determined ΔC_p and ΔH extrapolated to 333K.

$$\Delta C_p = 1.88\ \Delta ASA_{apolar} - 1.09\ \Delta ASA_{polar} \quad \textbf{[1]}$$

$$\Delta H(333K) = -35.3\ \Delta ASA_{apolar} + 131\ \Delta ASA_{polar} \quad \textbf{[2]}$$

1. Collaborative Computational Project Number 4 (1994) *Acta Crystallogr D Biol Crystallogr* 50:760–763.