

## Supplementary Information

**Table S1** CYP102A1 diameters in solution and share of objects measured by PCS. The series of 7 measurements was carried out to confirm a stability of the measurements in time. Measurements №1-2 were carried out at the start. Measurements №3-5 were carried out in 1 hour after PCS measurement start. Measurements № 6-7 were carried out in 1.5 hour after PCS measurement start. Experimental conditions: see “PCS measurements” in the main text.

№	Diameter, nm	Share of objects, %
1.	14.1±5.8	98.54
2.	16.1±6.4	98.45
3.	12.1±7.4	99.69
4.	10.8±7.7	99.37
5.	11.8±7.4	99.1
6.	11.3±6.1	98.67
7.	16.6±7.7	99.42

**Table S2**  $\chi^2$ -criterion for approximation experimental curves of density of CYP102A1 distribution with heights  $\rho(h)$  by Gaussian.

	Experimental conditions/ AFM	Approximation by one Gaussian, $\chi^2$		Approximation by double Gaussian, $\chi^2$
Density of CYP102A1 distribution with heights $\rho(h)$ obtained by standard probe	Buffer/ Dimension 3100	0.7	>	0.2
	Air/ Dimension 3100	1.1	>	0.3
	Air/ NTEGRA Aura	2.7	>	0.7
	Vacuum/ NTEGRA Aura	2.0	>	1.6