



	Mn <sup>2+</sup> + Asp <sub>64</sub> +Asp <sub>92</sub>	446.68 81	440.0578	449.1638	446.8703	448.3228	445.0868	451.08 59
<b>H-pi bonds (KJ/Mol)</b>	<b>Total</b>	-2.1	-0.5	0	-0.6	0	0	0
	<b>Trp<sub>206</sub> - Adda<sup>5</sup></b>	---	---	---	-0.6	---	---	---
	<b>Ser<sub>129</sub> - Adda<sup>5</sup></b>	-1.4	---	---	---	---	---	---
	<b>Asp<sub>197</sub> - Adda<sup>5</sup></b>	-0.7	-0.5	---	---	---	---	---
<b>Ionic bonds (KJ/Mol)</b>	<b>Total</b>	-74.4	--69.3	-32.6	-44.3	-69.8	-40.5	-1.5
	<b>ASP<sub>64</sub> - Mn<sup>2+</sup></b>	-24.5	-24.3	---	-24.1	-24.5	-24.5	---
	<b>ASP<sub>92</sub> - Mn<sup>2+</sup></b>	-11.1	-11.2	---	-11.3	-10.9	-11.2	---
	<b>Arg<sub>96</sub> - MeAsp<sup>3</sup></b>	-17.2	-13.3	-14.3	-13.5	-15.5	---	---
	<b>Asp<sub>220</sub> - Arg<sup>4</sup></b>	-7.3	-7.0	-6.7	---	-6.6	---	---
	<b>Asp<sub>197</sub> - Adda<sup>5</sup></b>	-1.4	-1.8	---	-1.5	---	---	-1.5
	<b>Glu<sub>275</sub> - Mdha<sup>7</sup></b>	-4.6	-11.7	-11.6	-7.4	---	-4.8	---
<b>Hydrogen bonds (KJ/Mol)</b>	<b>Total</b>	-48.5	-43.3	-36.0	-14.0	-37.6	-10.1	-2.2
	<b>H<sub>2</sub>O↔Toxins</b>	-8.8	-3.8	-2.2	-3.5	---	-3.5	-2.2
	<b>H<sub>2</sub>O←Adda<sup>5</sup></b>	-2.8	---	---	---	---	---	-2.2
	<b>H<sub>2</sub>O→Arg<sup>4</sup></b>	-2.8	---	---	---	---	---	---
	<b>H<sub>2</sub>O→Glu<sup>6</sup></b>	-3.2	-3.8	-2.2	-3.5	---	-3.5	---
	<b>Asp<sub>220</sub>←Arg<sup>4</sup></b>	-8.7	-10.2	-8.6	---	-9.1	---	---
	<b>Glu<sub>275</sub>←Mdha<sup>7</sup></b>	-0.5	-11.4	---	---	---	-0.5	---
	<b>Arg<sub>96</sub>→MeAsp<sup>3</sup></b>	-7.9	-12.2	-10.9	---	-9.8	---	---
<b>Arg<sub>221</sub>→Arg<sup>4</sup></b>	-11.3	---	---	---	-0.7	---	---	

<sup>a</sup> --- no related parameter was detected.