

## CYP2C9 Multiple Linear Regression

### Variables Entered/Removed<sup>a</sup>

Model	Variables Entered	Variables Removed	Method
1	ALogP, MW <sup>b</sup>	.	Enter

a. Dependent Variable: IC50

b. All requested variables entered.

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.132 <sup>a</sup>	.018	.017	16089.10739	.033

a. Predictors: (Constant), ALogP, MW

b. Dependent Variable: IC50

### ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9707574923.667	2	4853787461.834	18.751	.000 <sup>b</sup>
	Residual	543345831594.114	2099	258859376.653		
	Total	553053406517.782	2101			

a. Dependent Variable: IC50

b. Predictors: (Constant), ALogP, MW

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	21177.983	1597.119		13.260	.000	18045.882	24310.085

MW	-12.643	4.029	-.079	-3.138	.002	-20.544	-4.743
ALogP	-883.258	300.396	-.074	-2.940	.003	-1472.363	-294.154

a. Dependent Variable: IC50

Residuals Statistics <sup>a</sup>					
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2146.8320	19349.5176	11908.4304	2149.52425	2102
Residual	-15888.91211	94171.64063	.00000	16081.44774	2102
Std. Predicted Value	-4.541	3.462	.000	1.000	2102
Std. Residual	-.988	5.853	.000	1.000	2102

a. Dependent Variable: IC50