

Model Performance

Model	Data
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Weighted KNN model

5-fold CV (75%)		Training (75%)		Test (25%)	
Q2	RMSE	R2	RMSE	R2	RMSE
0.85	0.69	0.86	0.67	0.86	0.78

## Model Results

**Predicted value:** 1.04

**Global applicability domain:** Inside

**Local applicability domain index:** 6.49e-01

**Confidence level:** 6.83e-01

## Nearest Neighbors from the Training Set

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Methylhydroquinone

**Measured:** 0.91

**Predicted:** 1.05

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Hydroquinone

**Measured:** 0.59

**Predicted:** 9.29e-01

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Resorcinol

**Measured:** 0.8

**Predicted:** 1.04

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4-Hydroxybenzoic acid

**Measured:** 1.58

**Predicted:** 1.11

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3-Hydroxybenzoic acid

**Measured:** 1.50

**Predicted:** 1.11