

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
0.89	0.25	0.88	0.26	0.75	0.38

## Model Results

**Predicted value:** 8.57 days

**Global applicability domain:** Inside

**Local applicability domain index:** 8.85e-01

**Confidence level:** 9.20e-01

## Nearest Neighbors from the Training Set

Image not found

Octane

**Measured:** 157

**Predicted:** 8.57

Image not found

Heptane

**Measured:** 88.3

**Predicted:** 7.54

Image not found

Nonane

**Measured:** 157

**Predicted:** 8.49

Image not found

Decane

**Measured:** 157

**Predicted:** 8.71

Image not found

n-Hexane

**Measured:** 157

**Predicted:** 7.45