

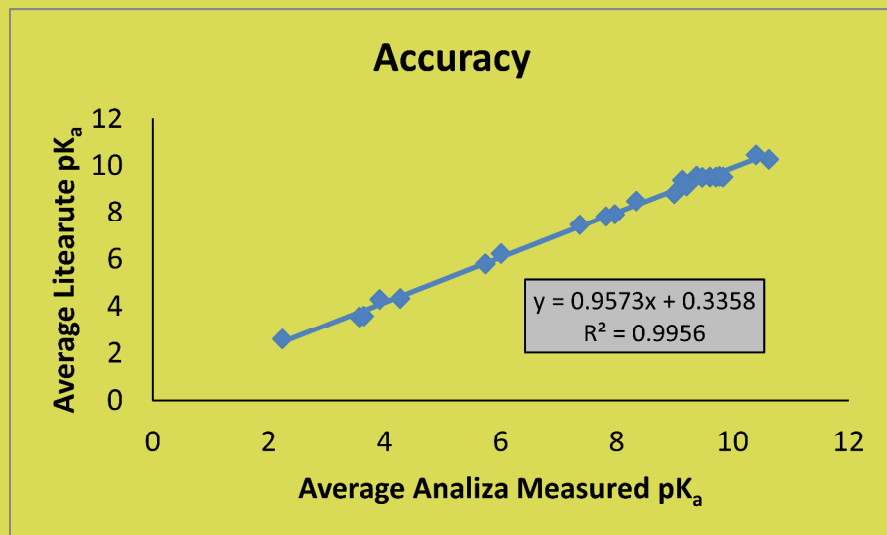
pK_a



Fast, Accurate and Affordable...

We scaled back the compound requirements to deliver accurate pK_a data from just 25 μL of 10mM DMSO stock solution because we understand that you can't spare mg's of material for a single measurement during the discovery phase. We also understand that the timescale for discovery options is measured in hours not days or weeks so we guarantee that data is delivered within 72 hours.

Capillary electrophoresis separations are carried out in parallel across 24 equally spaced pH's between 1.8 and 11.2. The compound migration time is monitored relative to a neutral marker (DMSO) and a titration curve is generated from this data.



Assay Protocol

Compound Requirements

25 μL of 10mM DMSO stock solution

Test Compound Concentration

100 μM

Analytical Range

pK_a 1.8-11.2

Resolution

0.5 pH units

Analysis Method

pK_a PRO Analyzer (AATI): 24 point parallel capillary electrophoresis with quantitation by UV absorbance at 229nm.

Aqueous: Intrinsic Solubility >10 μg/mL

Co-solvent Intrinsic Solubility >1 μg/mL

Data Delivery within 72 hours

pK_a(s)

24 point titration curve

Cost

\$125.00 per compound



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