

Log D/Log P



Fast, Accurate and Affordable...

Whether you're tight on budget, time, or internal capacity Analiza offers a Log D/Log P assay to meet your needs. We understand the fast timelines and scarce compound availability associated with discovery operations so we scaled down the gold-standard shake-flask method to deliver accurate, uncompromised data from just 25 μ L of 10mM DMSO stock solutions in 72 hours or less.

Single point assays provide robust rank order classification of compounds under physiologically relevant conditions. For a more thorough investigation into their *in vitro* behavior our vast library of octanol-buffer partitioning systems composed of a universal buffer in equilibrium with octanol allows us to quickly and affordably deliver true shake-flask pH-Log D profiles over the entire physiologically relevant pH range without buffer composition artifacts.

Using measured pK_a data, Log P is determined under conditions at which the compound is neutral.

Let us leverage our experience with tens of thousands of compounds to design a screening strategy that is right for you.

Assay Protocol

Method

Miniaturized Shake-Flask, octanol in equilibrium with buffer

Compound Requirements

25 μ L of 10mM DMSO stock solution

Dose Concentration

Single Point: 1 mM (others available)

3 Pt Conc. Dependence: 0.1, 0.5, 0.01 mM

Assay Buffer Composition

Single Point: PBS, pH 7.4 (others available)

4 Pt. pH-LogD Profile: Universal Buffer, pH 2, 4, 7.4, 9 (others available)

Analytical Range

$-3 \leq \text{LogD/P} \leq 4$

Quantitation Method

CLND

Data Delivery within 72 hours

Log D/Log P

Cost

Single Pt: \$25.00 per compound per media

4 Pt. pH-LogD Profile: \$100.00 per compound

3 Pt. Conc. Dependence: \$75.00 per compound per media

analiza



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