Robertson Microlit Laboratories

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Sample Submittal Form for pK_a and Log P/Log D

- *complete this form and include with **each** sample*
- *send **20 mg total** for pK_a and log P determination*
- *include MSDS and pH stability data if available*

ORDERING INFORMATION

Purchase order or Credit Card Number: _____
❑ MasterCard ❑ Visa ❑ Amex Expiration Date: ____ /____

Report Recipient/Cardholder Name: _____ Phone: _____

Company Name: _____

Street: _____ City: _____State: _____ Zip Code: _____

❑ In addition to the hardcopy report, send a copy by fax or email to:_____

Check Service Required
❑ standard turnaround (approx. 10 working days) ❑ rush service < 5 days (add 50% add'l charge)

Check Determination(s) Requested:
❑ pK_a ❑ log P and log D

*(**NOTE:** a measured pK_a value is required for an accurate determination of log P)*

COMPOUND PROPERTIES

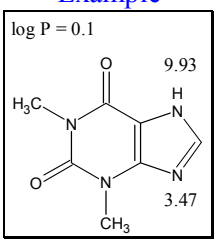
Compound Name: _____ Counter Ion (HCl, tartrate, etc.): _____

Formula Weight: _____ % Purity: _____ Moles Counter Ion/Mole Compound: _____
(as found "in the bottle"; include counter ion, etc.)

The compound is soluble at the 100 µg/mL level in: ❑ water ❑ MeOH ❑ DMSO
(If solubility is not known, rank from most (1) to least soluble (3): ____ _____ _____ *)*

Draw Entire Structure or Ionizable Groups with the Corresponding Predicted pK_a Values and log P:
(see example in right corner below)

Example



IMPORTANT INFORMATION REGARDING OUR ANALYTICAL SERVICES

Analysis is based on the information provided, following standard operating procedures. pK_a's are determined by potentiometry or UV spectrophotometry based on judgment and experience. Log P is determined by potentiometry. Charges are incurred even if the pK_a, or log P value is not measurable. If incomplete or inaccurate information is provided, a second determination may be required, incurring unnecessary delays. A written report constitutes the end of analysis.

We take care to do work of the highest quality and apply our latest knowledge to these techniques. It is a condition of our acceptance of this order that the total liability of Robertson Microlit Laboratories, Inc. under this contract is limited to the value of the purchase order. Please let us know if these results will be published in the technical literature.

(Form Rev. 8/07)