



Sample Registration

Send this form with your Confidentiality Agreement; one form per sample, please. One Agreement will cover this and all future work done for your company. Sirius will advise on the appropriate assay type and cost before commencing work.

Sirius reference
SIR

Contact Details

Name
Company
.....
.....
.....
Telephone number
Fax number
e-mail
Purchase order number

Sample Details

Sample Name
.....
Molecular weight (including any salt or hydrate)
.....
Salt type

Structure

We **need to know** the structural formula in order to design the experiment correctly. We will sign your confidentiality agreement as necessary

Analysis Details

Determination required:
pK_a Yes/No LogP Yes/No
Solubility Yes/No
NB. An accurate, measured pK_a is required for the logP and solubility determinations.
Measured/estimated values:
pK_a(s)..... Source
logP..... Source
Solubility..... Source.....
Does the sample decompose? Yes/No

If Yes please give details

Which of the following solvents will dissolve the sample

Methanol Yes/No Ethanol Yes/No
Ethylene Glycol Yes/No Dioxane Yes/No
Acetonitrile Yes/No DMSO Yes/No

Please take note of the statement below before signing this order form:

“Whilst taking care to do work of the highest quality and making the best efforts to report reliable results based on the information provided by customers and applying our latest knowledge, it is a condition of Sirius’ acceptance of your order that the total liability of Sirius Analytical Instruments Ltd. under this contract is limited to the value of this order.”

Signed
Print name
Date

Quantity of sample required

The following are the *minimum* weights in grams required for various tests. If availability of sample is not a problem, *please send more!* With more sample, we can run experiments to choose the best CoSolvent and run replicates to check reproducibility. We *need* about ten times the weights below to make reliable pK_a measurements outside the range 2.5 to 11.

For pK_a / logP determinations:

Water soluble sample:

pK_a only 0.000005 x MW g
pK_a + logP 0.00001 x MW g

Water-insoluble sample:

pK_a only 0.00002 x MW g
pK_a + logP 0.00003 x MW g

For Solubility determination:

Sufficient compound for precipitation to occur in 10mL of ISA water. Typically a minimum of 0.02g is required.

If meeting these requirements is a problem – please contact us – we may still be able to work with your compound.