

Registering Metabolism Data

This module teaches the procedures necessary for registering metabolic information to a corporate database. This module uses the Metabolite Registrar, a customized set of forms and commands designed to facilitate the registration process.

Course Objectives

The participant will be able to:

- ◆ Download a metabolic scheme from a host corporate database to a local database
- ◆ Create, modify, or delete individual transformations and entire schemes
- ◆ Append, sprout, insert, modify, or delete metabolites
- ◆ Connect transformations in a scheme and connect metabolites to a parent compound
- ◆ Add, delete, edit, or copy the associated data in a scheme
- ◆ Upload new or modified schemes to the corporate database for viewing by other scientists
- ◆ Customize the Registrar forms by changing labels, boxes, or tables

Prerequisites

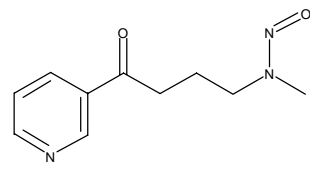
Searching the Metabolite Database
Drawing Molecules

Course Length

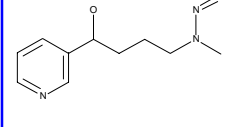
1/2 day

Examples from the Class

Entering parent compound data

Parent		Mol.Weight	207.2340	Scheme	XYZ2
		Formula	C ₁₀ H ₁₃ N ₃ O ₂		
		Activity	Carcinogenic		
		Use			
		Compound Class	Ketone Nitrosamine Pyridine		
Compound Name	4-Methylnitrosamino)-1-(3-pyridyl)-1-butanone	CAS No.	64091-91-4	Salt Form	None

Adding a metabolite

Add New Metabolite	
<div style="border: 1px solid blue; padding: 5px;"> <p>1A</p>  <p>Name</p> </div>	<div style="border: 1px solid green; padding: 5px;"> <p>New Metabolite</p> <p>Undetermined Structure</p> <p>Name</p> </div>
<input type="button" value="Copy Structure"/> → <input type="button" value="Import MolFile"/>	
<input checked="" type="button" value="Copy Data"/> <input type="button" value="Do Not Copy"/> <input type="button" value="View Data"/> <input type="button" value="Cancel"/> <input type="button" value="OK"/>	