

# CAS Learning Solutions: Responding to customer needs worldwide

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**Manager, Learning and Support Solutions**  
**Chemical Information Division**  
**Fall 2011 ACS National Meeting**

# Agenda

- **CAS product training: part of the support package**
- **Changing training needs**
- **CAS training portfolio: before and after**
- **New training offerings**
- **CAS Learning Solutions**

# CAS supports the mission of the ACS

## ACS Mission

To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.

## CAS Mission

To provide the world's best digital research environment to search, retrieve, analyze and link chemical information.



# CAS has always offered training as part of its product support



# Customer demographics, industry trends and product enhancement frequency are impacting training needs

## Growing customer base

**Increases in novice and specialty searchers**

**Expansion of international market**

**Consolidation through M&A**

**Offshoring of R&D**

**Increased velocity of product enhancements**



## Training Needs

- More introductory and subject-specific training
- More frequent training on new product features
- 24x7 availability

# Advances in training technology expand the range of training solutions

**New authoring software**

**Virtual training tools**

**Web conferencing**

**Improvements in Learning Management Systems (LMS)**



## Training Solutions

- Expanded e-learning portfolio
  - Virtual PC lab
  - e-Learning tutorials
- LMS for managing and tracking training
  - Ease of access
  - Scalability

# CAS started with a free product training portfolio that had a heavy emphasis on instructor-led events

## Instructor-Led

## Remote

### Face-to-Face

Private training  
Public workshops  
Patent forums

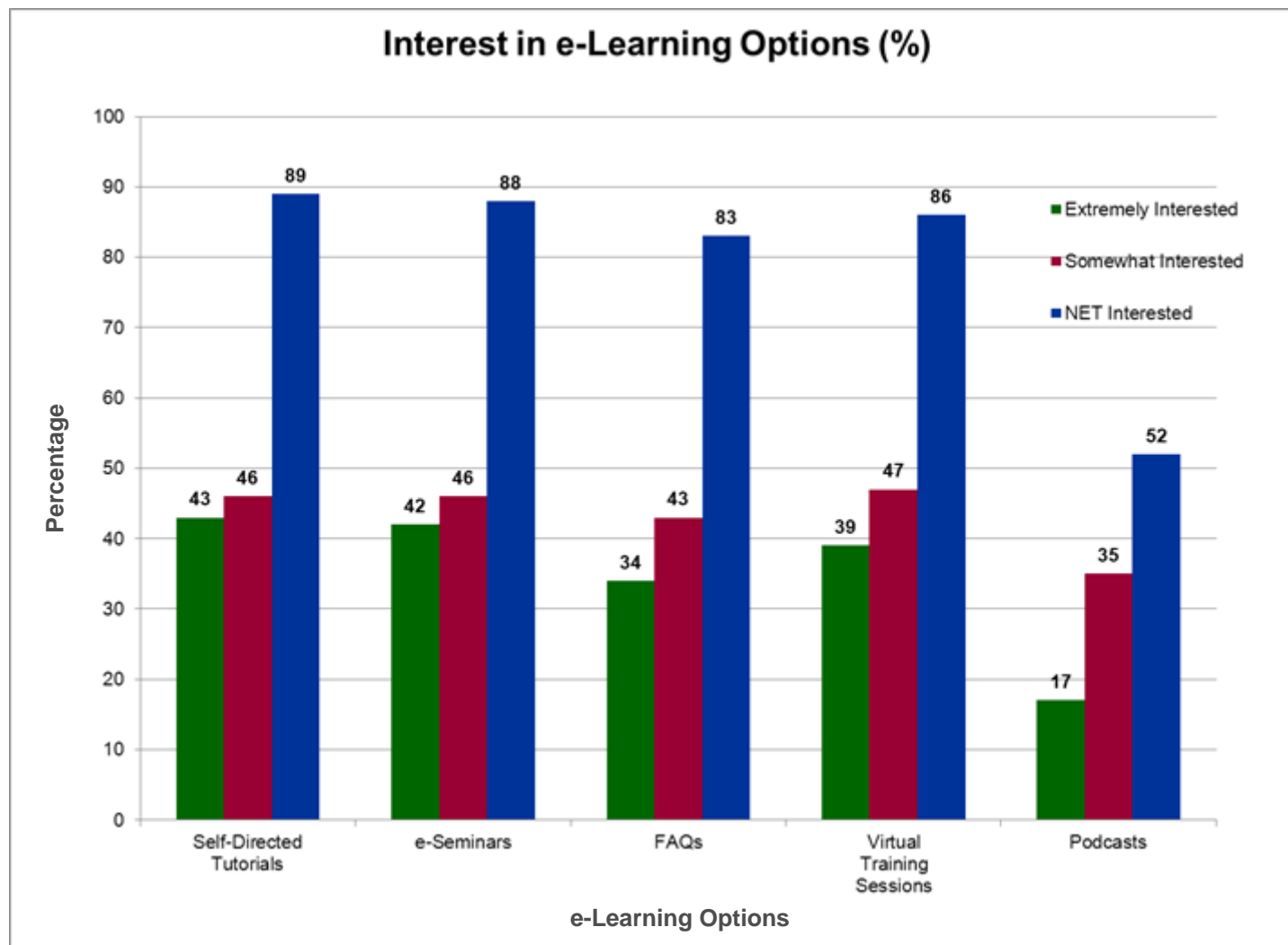
### Synchronous

Webinars  
Web conferencing

### Asynchronous

Workbooks  
How to guides  
Recorded webinars

## In a 2008 survey, customers indicated high interest in e-learning options



# In response, we augmented the training portfolio with more e-learning options

## Instructor-Led

### Face-to-Face

Private training  
Public workshops  
Patent forums

### Synchronous

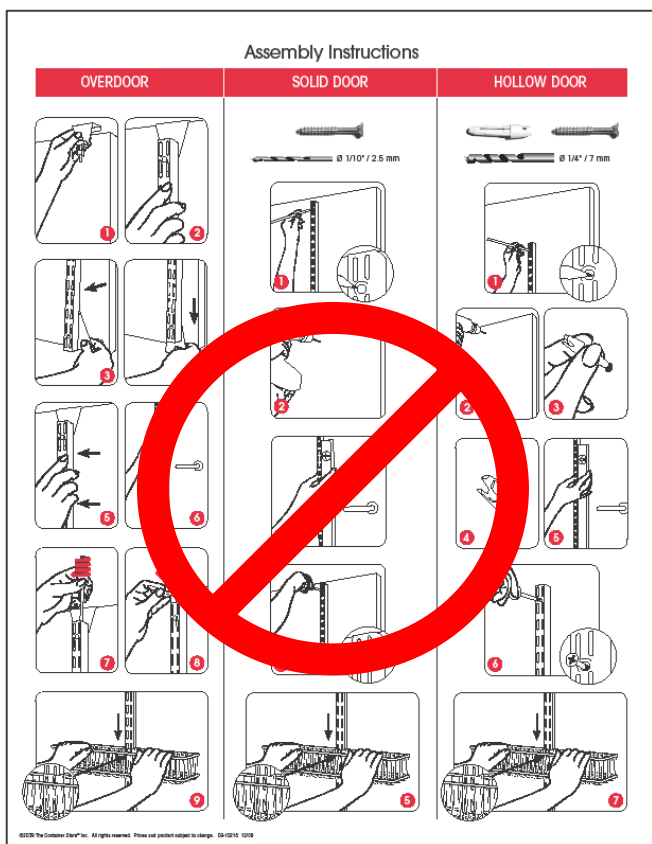
**Virtual hands-on classes**  
**Virtual hands-on practice**  
**Virtual STN Patent Forums**  
Webinars  
Web conferencing

## Remote

### Asynchronous

**Learning paths**  
**e-Learning tutorials**  
**e-Learning case studies**  
Workbooks  
How to guides  
Recorded webinars

# However, CAS' subject matter is complex!



Reference Detail [Get Substances](#) [Get Reactions](#) [Get Cited](#) [Get Citing](#) [Get Full Text](#) [Send to SciPlanner](#)

Link Save Print Export

Return

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## 1. Pyrimido[1,2-a]benzimidazole derivatives

By: Niwa, Tatsushi; Katagiri, Shinya; Kato, Tetsuzo  
Assignee: Kanto Ishi Seiyaku Co., Ltd., Japan

Bioactive title comps. [I; R = H (II), Ph], useful as **neoplasm inhibitors**, immunomodulators, and antiallergic agents, were prepd. by **treating** Schiff base II with ClC<sub>2</sub>CO. Thus, **treating** II with CH<sub>2</sub>ClCOCl in anhyd. (MeOCH<sub>2</sub>)<sub>2</sub> contg. Et<sub>3</sub>N and DMF gave 17% I. II significantly **inhibited** uptake of thymidine by human leukemia K562 cells in vitro.

I

II

### Patent Information

| Patent No.  | Kind | Date         | Application No. | Date        |
|-------------|------|--------------|-----------------|-------------|
| JP 61063680 | A    | Apr 1, 1986  | JP 1984-186098  | Sep 5, 1984 |
| JP 05057990 | B    | Aug 25, 1993 |                 |             |

### Priority Application

|                |             |
|----------------|-------------|
| JP 1984-186098 | Sep 5, 1984 |
|----------------|-------------|

### Indexing

#### Quick Links

0 Tags, 0 Comments

#### Patent Information

Apr 1, 1986  
JP 61063680  
A

#### Application

Sep 5, 1984  
JP 1984-186098

#### Priority

Sep 5, 1984  
JP 1984-186098

#### Source

Jpn. Kokai Tokkyo Koho  
5 pp.  
Patent  
1986  
CODEN: JXOXAF

#### Classifications

Main IPC C07D487-04

#### Accession Number

1986:572498  
CAN 105:172498  
CAPLUS

#### Language

Japanese

# Our challenge was to create effective e-learning options for our complex subject matter

We applied lessons learned from face-to-face instructor-led events to e-learning options

- Use case studies to tell a story
- Include hands-on practice in virtual training
- Encourage interactivity
- Break the topics down into snippets

1. Substance Detail  
877399-52-5

CAS Registry Number: 877399-52-5

- » View Substance Detail
- Explore by Structure ▶
- Synthesize this...
- Get Reactions where Substance is a ▶
- Get Commercial Sources
- Get Regulatory Information
- Get References
- Export as Image
- Export as molfile
- Send to SciPlanner

Click Send to SciPlanner.

The screenshot displays a chemical structure viewer with a dropdown menu. The structure is a complex molecule featuring a piperidine ring, a pyrrole ring, a pyridine ring with an amino group, and a substituted benzene ring with two chlorine atoms and a methyl group. The 'Send to SciPlanner' option is highlighted with a green box, and a callout box points to it with the text 'Click Send to SciPlanner.'

# Interactive e-learning tutorials for our products are now available anywhere, anytime

## Plan a Synthesis Project

- Slide Title
- Module objectives**
- Scenario
- Send substance to SciPlanner
- SciPlanner library
- Search for synthetic reactions
- Send reaction to SciPlanner
- Add reaction to Workspace
- Hide Library and zoom Workspace
- Merge two reactions
- Magnify a structure
- View reaction information
- Summary

00:02 / 01:12 Minutes



## SCIFINDER

# Plan a Synthesis Project

Module objectives:

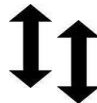
- Send substances, reactions, and references to SciPlanner
- Initiate searches from within SciPlanner
- Merge reactions into a synthetic plan

This module takes approximately 5 minutes to complete. [NEXT](#)

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## We also offer instructor-led training sessions to customers located anywhere in the world using our virtual PC lab



CAS instructors host the virtual PC lab in Columbus to give customers the flexibility of attending hands-on virtual classes or practice sessions from anywhere in the world.



# CAS Learning Solutions was launched to customers in December 2010



## Learning Solutions

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Welcome Jayne Knoop to your personal resource center for CAS learning events and resources.



**CALENDAR**



**SEARCH TRAINING**



**MY SELECTIONS**

### Featured Training

For events such as SciFinder e-Seminars and Open Practice Sessions, select **SciFinder Training Events** under **Browse for Training**.

#### SciFinder e-Seminar:

SciFinder-The First Choice for Scientific Research  
September 14, 20  
SciFinder for Biological Research  
November 15

For a full list of training events please visit the [Calendar](#)



### Browse for Training

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- › [Overview and New Features](#)
- › [Reference Searching](#)
- › [Substance Searching](#)
- › [Reaction Searching](#)
- › [Patent Searching](#)
- › [SciFinder 2007 Client Version](#)
- › [SciFinder Training Events](#)

### Quick Links

- › [Getting Started with CAS Learning Solutions](#)
- › [FAQs for CAS Learning Solutions](#)
- › [Change your CAS Learning Solutions Password](#)
- › [What's New in SciFinder](#)
- › [Getting Started with Training](#)
- › [Comments/Suggestions](#)
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# Our training enhancements are designed to better serve you and respond to your changing needs



## Learning Solutions

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Username:

Password:

**LOGIN** 

[Create Account](#)

[Forgot Password?](#)

New learning paths

Virtual and self-directed training options

Academics using CAS e-learning tutorials to train students

Over 3,000 registrants from December 2010 – July 2011

## Here's what customers are saying...

*“A new employee joined our group just as I left on a trip. **We went into CAS Learning Solutions and found the Learning Paths – perfect for a new user to learn STN in a logical order.** He took advantage of everything available – virtual classes, open practice time, video tutorials, e-Seminars, and workbooks. I was very pleased that ... **by the time I returned we were able to move into job specific training immediately.**”*

– Searcher from a major industrial corporation

*“I really enjoyed today's training! Any serious searcher should take this class...[to] fully understand the content.”*

– STN Virtual Class attendee from a major pharmaceutical company

# *Thank You*

