SciFinder® allows you to specify requirements for locating structure matches. To efficiently locate matches of interest, you can specify both structural and class characteristics.

**Type of Search: Exact, Substructure, Similarity**

SciFinder offers you three types of structure searches.

### Get substances that match your query using:
- Exact search
- Substructure search
- Similarity search

### Chemical Structure

![Chemical Structure](image)

Click image to change structure or view detail

### Search type:
- Exact Structure
- Substructure
- Similarity

### Tips:

<table>
<thead>
<tr>
<th>Select...</th>
<th>When you want to locate...</th>
<th>Includes...</th>
</tr>
</thead>
</table>
| Exact search            | The specific structure drawn in your query | • Exact match  
                          |                            | • Stereoisomers  
                          |                            | • Tautomers  
                          |                            | • Salts, mixtures  
                          |                            | • Polymers, with one monomer matching exactly  |
| Substructure search     | Structures in which your query structure is:  
                          | c) Part of a more complex structure  
                          |                            | d) Embedded in a larger system | Compounds containing your structure as well as:  
                          |                            | • Substitution at open positions  
                          |                            | • Additional ring fusion  |
| Similarity search       | Similar chemical structures | Compounds containing:  
                          |                            | • Positional isomers  
                          |                            | • Different or fewer substituents  
                          |                            | • Different ring systems  

**Note:** Queries may not include variable groups, repeating groups, or variable attachment positions.
SciFinder lets you specify limits up-front for substance classes, substance characteristics, and types of studies.

### Characteristic(s)
- Single component
- Commercially available
- Included in reference(s)

### Class(es)
- Alloys
- Coordination compounds
- Incompletely defined
- Mixtures
- Polymers
- Organics, and others not listed

### Studies
- Analytical
- Biological
- Preparation
- Reactant or reagent

**Tips:**
- By default, all substance classes are included. To limit your answer set, select only the classes that are of interest.

<table>
<thead>
<tr>
<th>If you want to include...</th>
<th>Then...</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>One substance class</td>
<td>Select the class that you want to include</td>
<td>Alloys, Coordination compounds, Incompletely defined</td>
</tr>
<tr>
<td>Multiple substance classes</td>
<td>Select all of the classes you want to include</td>
<td>Alloys, Coordination compounds, Incompletely defined</td>
</tr>
</tbody>
</table>

- If you specify multiple substance characteristics, such as Single component and Commercially available, only substances that meet both criteria are retrieved.
- By default, all types of studies are included. To limit your answer set, select only the type(s) that are of interest.