

How To...

Explore by Substance Identifier

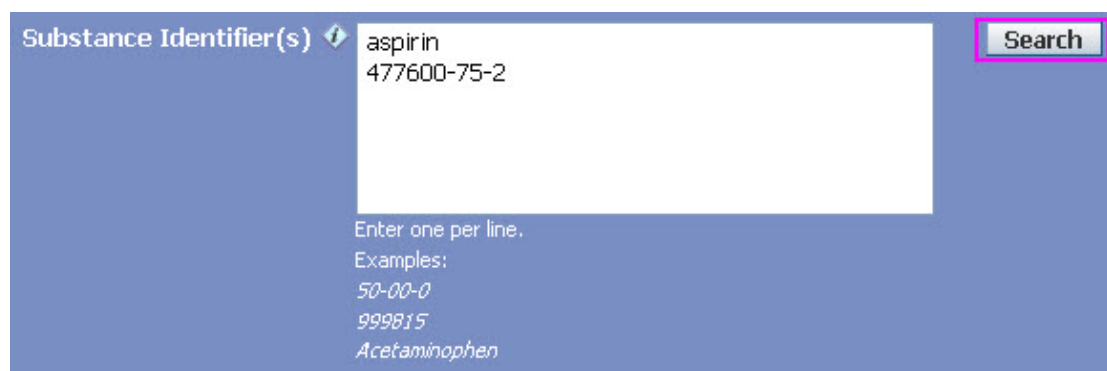
Use Explore by Substance Identifier to find a substance or group of substances by using a chemical name or CAS Registry Number®.

Substance identifiers include chemical names, trade names, and CAS Registry Numbers.

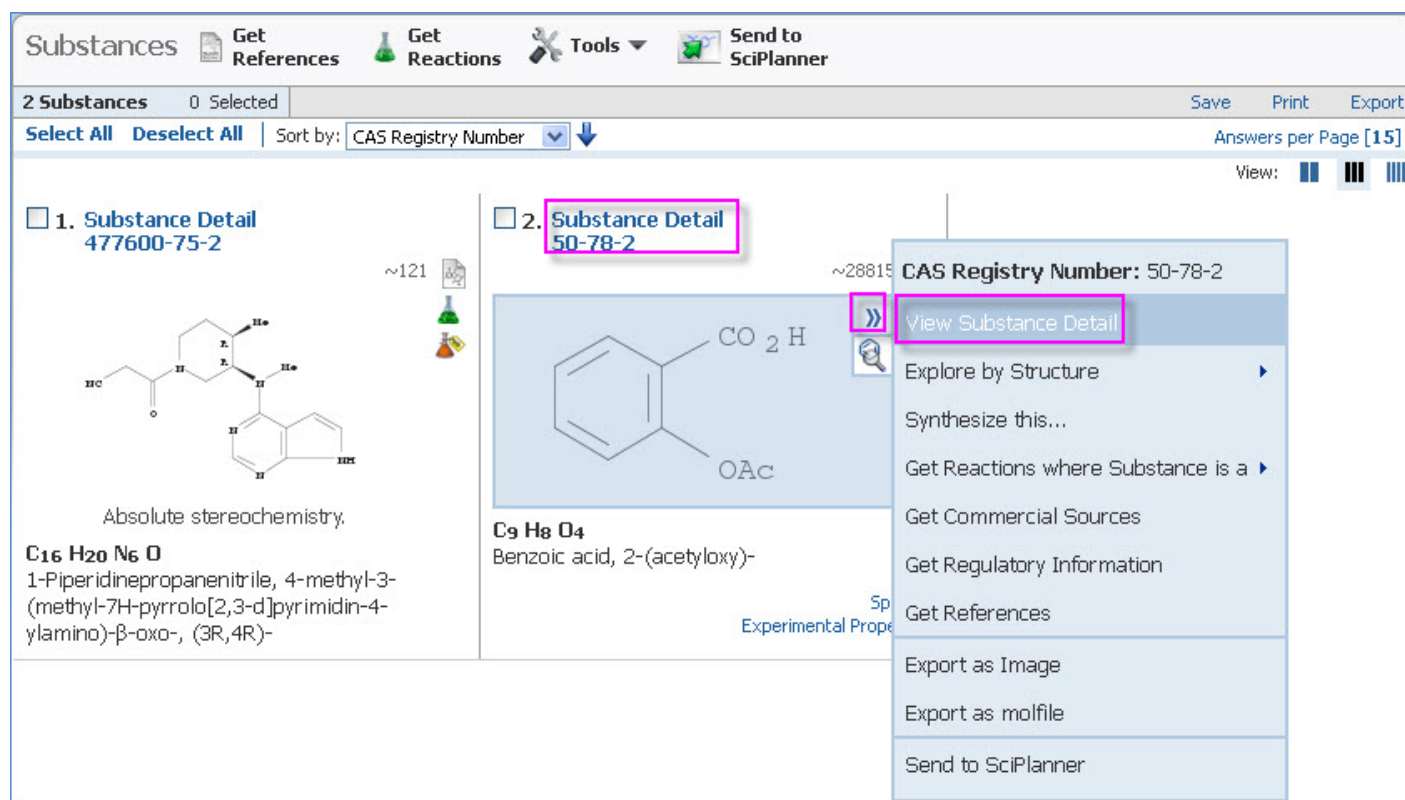
1. Select **Substance Identifier** in the **Explore Substances** window.
2. Enter the substance identifier(s) in the text box.

You can search for multiple substances simultaneously by entering up to 25 substance identifiers. Each must be entered on a separate line. In the example below, two substances will be included in the search.

3. Click **Search**.



4. Review your answers. They are displayed in CAS Registry Number descending order.
5. To view detailed information for a substance, click **Substance Detail** or choose **View Substance Detail** from the substance context menu. Below, the substance detail for aspirin has been selected.



Scroll down to view the Substance Detail. Some of the substance information is shown below, such as chemical name, CAS Roles, Bioactivity or Target Indicators, Predicted or Experimental Properties.

Substance Detail

[Get References](#)
[Get Reactions](#)
[Get Commercial Sources](#)
[Get Regulatory Info](#)
[Send to SciPlanner](#)

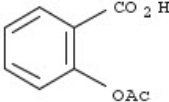
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CAS Registry Number: 50-78-2

C₉ H₈ O₄

Benzoic acid, 2-(acetyloxy)-



Rhodine (7CI); Salicylic acid acetate (BCI); 2-(Acetyloxy)benzoic acid; 2-Acetoxybenzoic acid; 2-Carboxyphenyl acetate; A.S.A. Empirin; AC 5230; ASA; Acenterine; Acesal; Acesan; Acetard; Aceticyl; Acetilum acidulatum; Acetisal; Acetol; Acetonyl; Acetophen; Acetosal; Acetosalic acid; Acetosalin; Acetylin; Acetylsal; Acetylsalicylic acid; Acetyonyl; Acetysal; Acidum acetylsalicylicum; Acimetten; Acisal; Acylpyrin; Adiro; Albyl E; Anopyrin; Asaflow; Asagran; Asatard; Ascoden 30; Ascolong; Ascriptin; Aspalon; Aspergum; Aspiroids; **Aspirin**; Aspirin Protect 100; Aspirin Protect 300; Aspirin-Direkt; Aspirina 03; Aspirine; Aspro; Aspro Clear; Asropharm; Asteric; Astrix; Benaspir; Bialpirina; Bialpirinia; Caprin; Cardioaspirin; Cardioaspirina; Claradin; Colfarit; Colsprin; Contheuma Retard; Coraspin; Coricidin; Coricidin D; Crystar; Darvon Compound; Dolean pH 8; Dominal; Doril; Duramax; ECM; Easprin; Ecopirin; Ecosprin; Ecotrin; Empirin; Endosprin; Endydol; Entericin; Enterophen; Enterosarine; Entrophen; Ewin; Extren; Gelprin; Globentyl; Globoid; Helicon; Idragin; Istopirin; Kapsazal; Lysoprin (pharmaceutical); Magnecyl; Measurin; Medisyl; Melhoral; Micristin; Miniasal; Mycropyrin; NSC 27223; NSC 406186; Neuronika; Novid; Nu-seals; O-Acetylsalicylic acid; Persistin; Polopiryna; Rheumintabletten; Rhodine 2312; Rhodine NC RP; Rhonal; SP 189; Salacatin; Salcetogen; Saletin; Salospir; Salicylacetylsalicylic acid; Solpyron; Supac; Temperal; ThromboASS; Toldex; Triple-sal; Trombyl; Xaxa; Yasta; Zorprin; o-(Acetyloxy)benzoic acid; o-Acetoxybenzoic acid; o-Carboxyphenyl acetate

Deleted CAS Registry Numbers: 2349-94-2, 11126-35-5, 11126-37-7, 26914-13-6, 98201-60-6

CAS Role	Patents	Nonpatents	Nonspecific Derivatives from Patents	Nonspecific Derivatives from Nonpatents
Analytical Study	✓	✓	✓	✓
Biological Study	✓	✓	✓	✓
Combinatorial Study	✓		✓	
Formation, Nonpreparative	✓	✓		✓
Miscellaneous	✓	✓		✓
Occurrence	✓	✓		✓
Preparation	✓	✓	✓	✓
Process	✓	✓	✓	✓
Properties	✓	✓	✓	✓
Prophetic in Patents	✓			
Reactant or Reagent	✓	✓	✓	✓
Uses	✓	✓	✓	✓

[Bioactivity Indicators](#) **NEW**
[Target Indicators](#) **NEW**

Predicted Properties: Biological Chemical Density Lipinski and Related Spectra Structure-related Thermal

Biological Properties	Value	Condition	Note	Top
Bioconcentration Factor	6.79	pH 1 Temp: 25 °C	(90)	
Bioconcentration Factor	6.60	pH 2 Temp: 25 °C	(90)	

Tips:

- Click any role, heading, or checkmark in the Substance Detail display to retrieve associated references.
- Click **Bioactivity Indicators** or **Target Indicators** to view these substance details.

▼ Bioactivity Indicators NEW		▼ Target Indicators NEW	
	References		References
Anti-infective agents (all) > Anti-infective agents	30	Albuminoids (all) > Fibrins	49
Anti-infective agents (all) >>> Antibacterial agents	166	Albuminoids (all) > Keratins	11
Anti-infective agents (all) >> Antibiotics	281	Angiotensin (all) > Angiotensin II	20
Anti-infective agents (all) >> Antimicrobial agents	114	Apoptosis-regulating proteins (all) > Bax proteins	29
		Apoptosis-regulating proteins (all) > Bcl-2 proteins	43

Tip:

- For source information for the listed properties, view the Note column and footnotes.

Experimental Properties: Biological Chemical Density Interface Lipinski and Related Optical and Scattering Spectra Structure-related Thermal				
Biological Properties	Value	Condition	Note	Top
ADME (Absorption, Distribution, Metabolism, Excretion)	See full text	1 of 19	(2)CAS	
Half-Life (Biological)	See full text	1 of 10	(23)CAS	

Additional resources

To learn more about working with substances, refer to

- SciFinder online help files
- How To Guides for:
 - Analyze Substance Answers
 - Refine Substance Answers
 - Find Commercial Sources
 - Combine Answer Sets
 - Print, Save, and Export
- Instructor-led and self-directed learning options in the [Learning Solutions](#) resource center