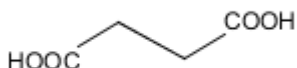
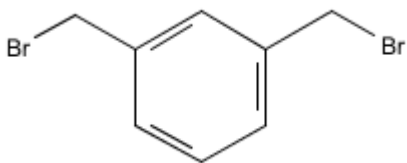




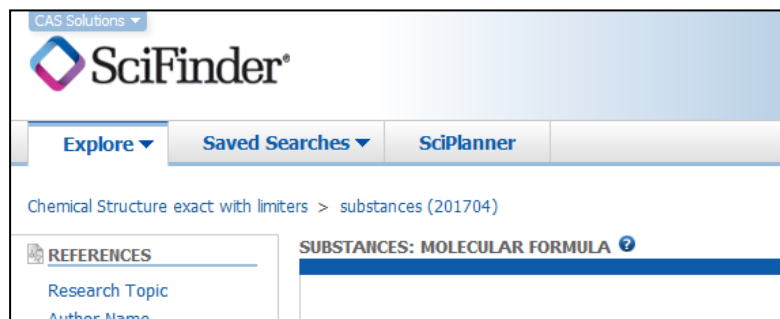
SciFinder 聚合物检索

聚合物的检索

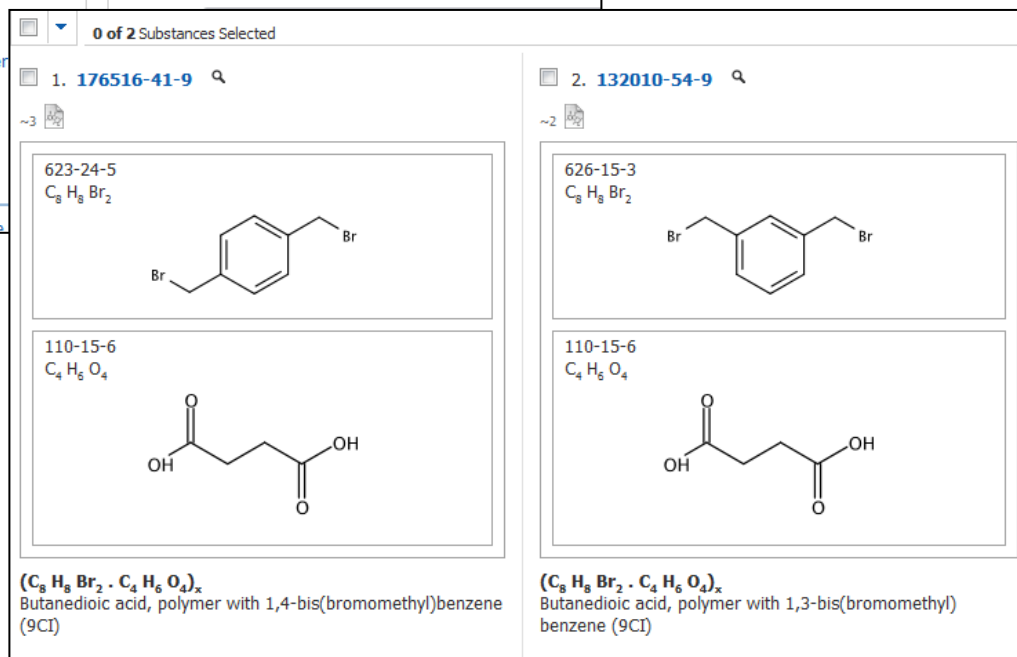
已知起始原料的聚合物



$(C_8 H_8 Br_2 . C_4 H_6 O_4) x$



Screenshot of the SciFinder interface showing search results for the molecular formula $C_8 H_8 Br_2$. The interface includes navigation tabs (Explore, Saved Searches, SciPlanner) and a search bar. The search results are displayed under the heading "SUBSTANCES: MOLECULAR FORMULA".



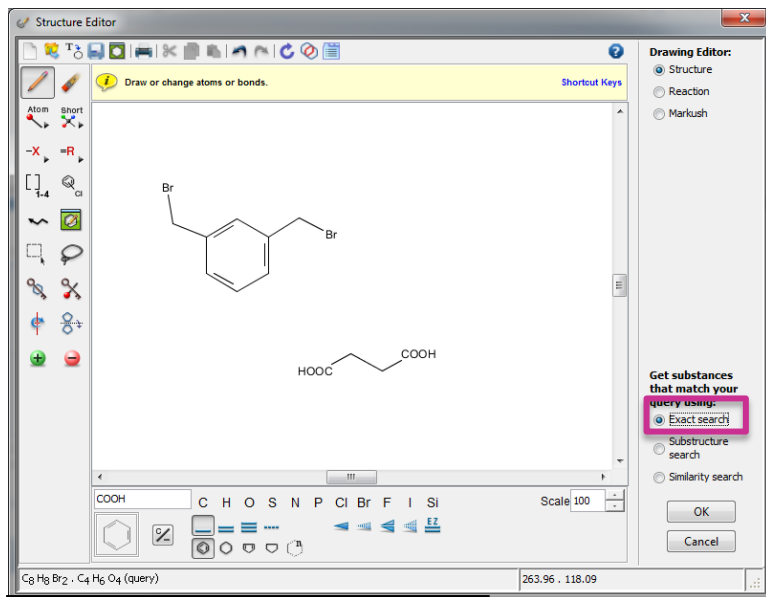
Detailed view of the search results for the molecular formula $C_8 H_8 Br_2$. The results are displayed in a grid format, showing two entries:

- Entry 1: 176516-41-9. Chemical structure: 1,4-bis(bromomethyl)benzene. Molecular formula: $C_8 H_8 Br_2$.
- Entry 2: 132010-54-9. Chemical structure: 1,3-bis(bromomethyl)benzene. Molecular formula: $C_8 H_8 Br_2$.

Below the grid, the polymer formula $(C_8 H_8 Br_2 . C_4 H_6 O_4)_x$ is shown, along with the name of the polymer: Butanedioic acid, polymer with 1,4-bis(bromomethyl)benzene (9CI).

分子式检索后会得到同分异构体

聚合物的检索



Characteristics	<input checked="" type="checkbox"/> Single component
	<input type="checkbox"/> Commercially available
	<input type="checkbox"/> Included in references
Classes	<input type="checkbox"/> Alloys
	<input type="checkbox"/> Coordination compounds
	<input type="checkbox"/> Incompletely defined
	<input type="checkbox"/> Mixtures
	<input checked="" type="checkbox"/> Polymers
	<input type="checkbox"/> Organics, and others not listed
Studies	<input type="checkbox"/> Analytical
	<input type="checkbox"/> Biological
	<input type="checkbox"/> Preparation
	<input type="checkbox"/> Reactant or reagent

单一组分

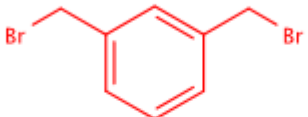
聚合物

0 of 1 Substance Selected

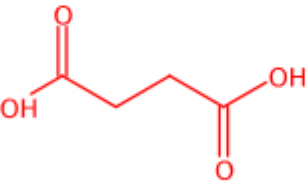
1. **132010-54-9** 🔍

~2

626-15-3
C₈ H₈ Br₂



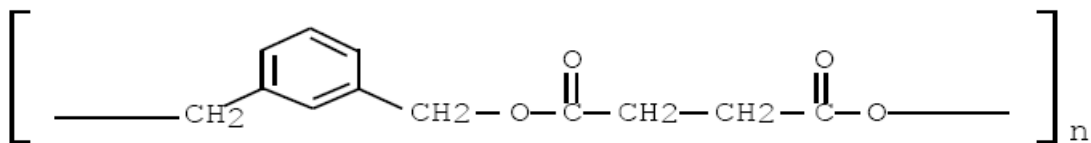
110-15-6
C₄ H₆ O₄



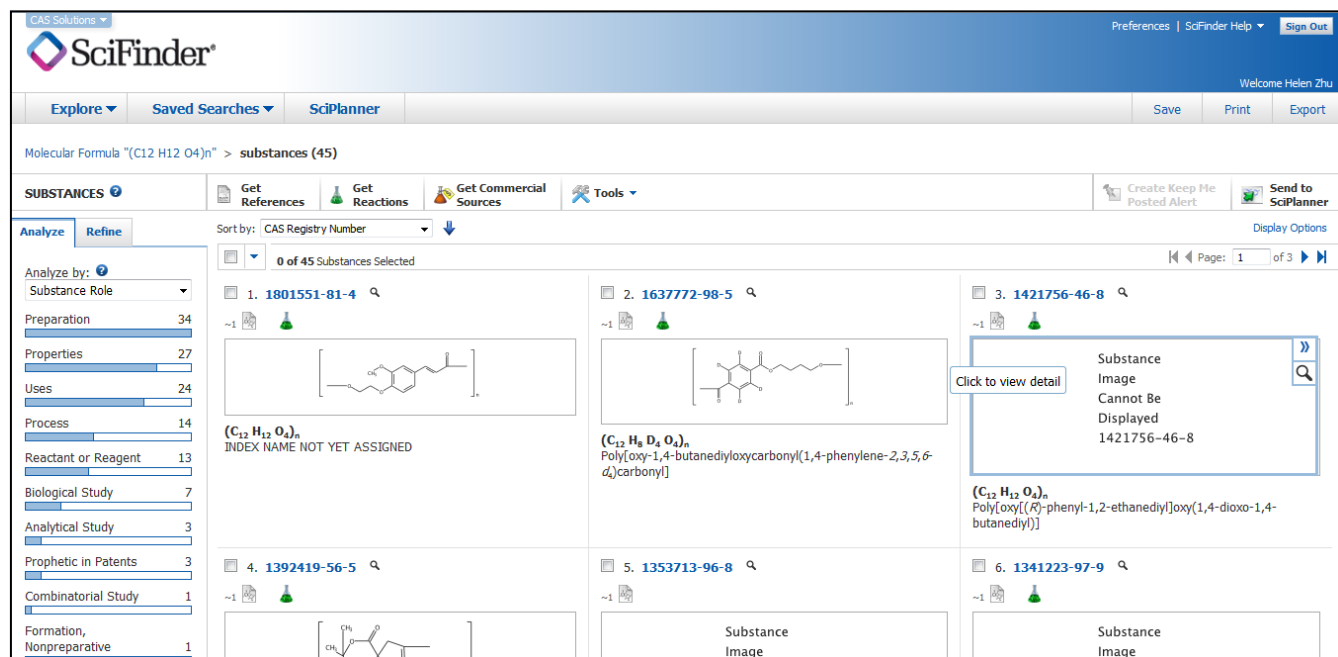
(C₈ H₈ Br₂ . C₄ H₆ O₄)_x
 Butanedioic acid, polymer with 1,3-bis(bromomethyl)benzene
 (9CI)

聚合物的检索

已知重复单元的聚合物



(C₁₂ H₁₂ O₄)_n



The screenshot displays the SciFinder web interface. At the top, the SciFinder logo is visible, along with navigation options like 'Explore', 'Saved Searches', and 'SciPlanner'. The search criteria are set to 'Molecular Formula "(C₁₂ H₁₂ O₄)n" > substances (45)'. The interface shows a list of search results, each with a CAS Registry Number, a chemical structure image, and a brief description. A 'Click to view detail' tooltip is shown over the third result.

CAS Registry Number	Chemical Name	Molecular Formula
1. 1801551-81-4	INDEX NAME NOT YET ASSIGNED	(C ₁₂ H ₁₂ O ₄) _n
2. 1637772-98-5	Poly[oxy-1,4-butanediylloxycarbonyl(1,4-phenylene-2,3,5,6- <i>d</i>)carbonyl]	(C ₁₂ H ₈ D ₄ O ₄) _n
3. 1421756-46-8	Poly[oxy[(<i>R</i>)-phenyl-1,2-ethanediyl]oxy(1,4-dioxo-1,4-butanediyl)]	(C ₁₂ H ₁₂ O ₄) _n
4. 1392419-56-5		
5. 1353713-96-8		
6. 1341223-97-9		

聚合物的检索

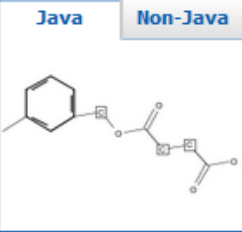
Analyze Refine

Refine by: ?

- Chemical Structure
- Isotope-Containing
- Metal-Containing
- Commercial Availability
- Property Availability
- Property Value
- Reference Availability
- Atom Attachment

Structure Editor:


Java Non-Java

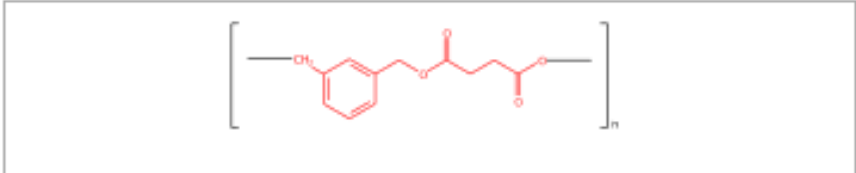


Click image to change structure or view detail.
Search type: **Substructure**

0 of 1 Substance Selected

1. **132010-11-8** 🔍

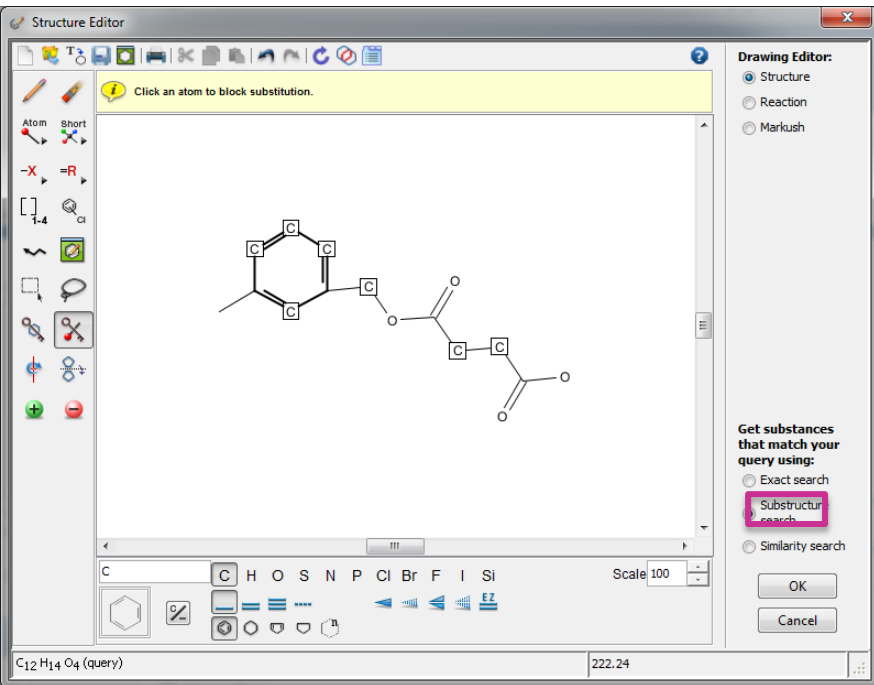
~2 



(C₁₂ H₁₂ O₄)_n
Poly[oxy(1,4-dioxo-1,4-butanediyl)oxymethylene-1,3-phenylenemethylene] (9CI)

利用结构特征进行Refine，迅速查找需要的物质

聚合物的检索



单一组分

聚合物

绘制好SRU后用亚结构检索
因为两段为开放状态

0 of 1 Substance Selected

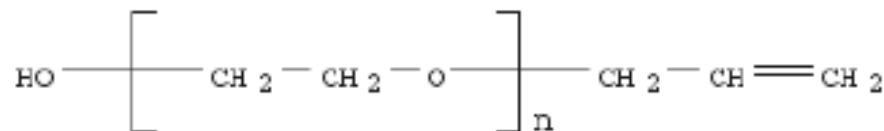
1. 132010-11-8

~2

$(C_{12}H_{12}O_4)_n$
Poly[oxy(1,4-dioxo-1,4-butanediyl)oxymethylene-1,3-phenylenemethylene] (9CI)

聚合物的检索

含端基和SRUs的聚合物



Explore Saved Searches SciPlanner

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

SUBSTANCES: MOLECULAR FORMULA

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$

Examples:
H4SiO4
 $(\text{C}_3\text{H}_6\text{O} \cdot \text{C}_2\text{H}_4\text{O})_x$

Search

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$

SRU部分 两端部分

0 of 4 Substances Selected

1. 1500029-22-0

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$
Poly(oxy-1,2-ethanediyl), α -(1-methylethenyl)- ω -hydroxy-

2. 191403-44-8

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$
Poly(oxy-1,2-ethanediyl), α -1-propen-1-yl- ω -hydroxy-

3. 50856-25-2

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$
Poly(oxy-1,2-ethanediyl), α -ethenyl- ω -methoxy-

4. 27274-31-3

$(\text{C}_2 \text{H}_4 \text{O})_n \text{C}_3 \text{H}_6 \text{O}$
Poly(oxy-1,2-ethanediyl), α -2-propen-1-yl- ω -hydroxy-
Regulatory Information



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Connect with SciFinder:

