

Using SpringerMaterials to Locate Your Landolt-Börnstein Volume and Chapter For University of California Libraries

This method will work as long as searching SpringerMaterials remains freely available.

SpringerMaterials is a searchable database of physical property data for chemicals and materials. It includes the New Series of Landolt-Börnstein, plus new content added since its launch. It does not include the Sixth Edition, so you will need to consult print indexes to locate data in those volumes. While the UC Libraries do not subscribe to SpringerMaterials, you can (for now) search it to identify a particular volume of Landolt-Börnstein, which the Libraries do have online up to 2008.

1. Go to <http://www.springermaterials.com/> and run your search. Searching for a compound and property will probably yield the best results.

The screenshot shows the SpringerMaterials website. The header includes the logo and the text "SpringerMaterials The Landolt-Börnstein Database". Below the header is a search bar with a "Go" button and an "Advanced Search" link. A navigation menu includes "Home", "Bookshelf", "Periodic Table Search", "Structure Search", "Help", "For Librarians", and "Feedback". On the left, there is a sidebar with various categories like "Particles, Nuclei and Atoms", "Molecules and Radicals", etc. The main content area features a "Search in" section with the SpringerMaterials logo and a search input field containing "enthalpy and bromobenzene". Below the search field is a "Go" button. A yellow box labeled "Search" has an arrow pointing to the search input field. Below the search field, there is a promotional banner: "The World's Largest Resource for Physical & Chemical Data in Materials Science: 250,000 Substances & Material Systems | 3,000 Properties | 1,200,000 Literature Citations". Below this banner, there are several "what's new" links and a date "Available December 19, 2012" with a list of updates.

2. In the results below, you'll notice that bromobenzene was searched as a fragment (2-dibromobenzene). Use quotes to exclude fragments in your search: "bromobenzene," "C6H5Br," "lead selenide," "Lead selenide (PbSe)," etc. Below are the results for bromobenzene and enthalpy (23 results) and "bromobenzene" and enthalpy (18 results).

The screenshot shows search results for "enthalpy and bromobenzene". At the top, it says "Results 1 - 10 of 23 Documents" and "previous 1 2 3 next". There are buttons for "Expanded View" and "Refine". The first result is "Thermodynamics > Thermodynamical Properties > Organic Compounds > Enthalpies of Fusion and Transition". Below this, there is a link "Organic Compounds, C6" with an information icon and a "Ref" link. The "Metadata" for this result is: "Substance: bromobenzene ... p-bromobenzene ... 2-dibromobenzene ... Metadata - Property: enthalpy of fusion ... enthalpy of transition ... Fulltext: Selected Selected Selected a Includes enthalpy of transition for cr,II to cr,I ...". The second result is "Thermodynamics > Thermodynamical Properties > Binary Fluid Systems > Heats of Mixing and Solution > Bromoarenes and Hydrocarbons". Below this, there is a link "C6H5Br and C6H14" with an information icon and a "Ref" link. A yellow box labeled "Click for more information" has an arrow pointing to the "Ref" link of the second result. The "Metadata" for this result is: "Substance: bromobenzene ... p-bromobenzene ... monobromobenzene ... C6H5Br (bromobenzene) ... Metadata - Property: excess enthalpy ... Fulltext: of component 1 HE/J mol-1, Molar excess enthalpy Method: Direct low-pressure ... A.; Grolier, J.-P. E.; Kehiaian, H. V. Enthalpy of mixing of bromobenzene with ...".

Results 1 - 10 of 18 Documents previous 12 next Expanded View Refine

Thermodynamics > Thermodynamical Properties > Organic Compounds > Enthalpies of Fusion and Transition

Organic Compounds, C6  [Ref](#)

Metadata - Substance: bromobenzene ... C6H5Br (bromobenzene) ... **Metadata - Property:** enthalpy of fusion ... enthalpy of transition ...
Fulltext: 18.45 ± 0.17 cm³sd, sb drop 26-and/lyn Bromobenzene [108-86-1] C6H5Br MW = 157.01 cr cr cr ... Selected Selected Selected a
 Includes enthalpy of transition for cr,II to cr,I. ...

Thermodynamics > Thermodynamical Properties > Binary Fluid Systems > Heats of Mixing and Solution > Bromoarenes and Hydrocarbons

C6H5Br and C6H14  [Ref](#) Click for more information

Metadata - Substance: bromobenzene ... C6H5Br (bromobenzene) ... **Metadata - Property:** excess enthalpy ... **Fulltext:** of component 1 HE/J mol⁻¹, Molar excess enthalpy Method: Direct low-pressure ... Number: LB1352 Components: 1. C6H5Br, Bromobenzene [108-86-1] 2. C6H14, Hexane [110-54-3] ... A.; Grolier, J.-P. E.; Kehiaian, H. V. **Enthalpy** of mixing of bromobenzene with ...

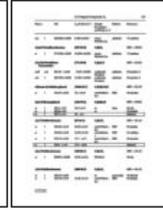
3. In the search results, click the  icon to bring up more information. In the detailed record, you'll get the chapter title, volume title, volume number, and group number (sometimes included with the volume number). The Download Fulltext link will not work because the UC Libraries do not subscribe to SpringerMaterials.

Organic Compounds, C6

Download Fulltext 






Source	
Title	Organic Compounds, C6
Author	Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit
Part of	Landolt-Börnstein - Group IV Physical Chemistry
Volume	8A: Enthalpies of Fusion and Transition of Organic Compounds
Edited by	K. N. Marsh
Chapter-DOI	10.1007/10469434_5
Book-DOI	10.1007/b55145 (Volume in Bookshelf)

Chapter or Document Title

Group Number. May be included as part of the volume number (e.g. IV/8A)

Volume Number

Volume Title

Accessing the online Landolt-Börnstein volumes at the University of California Libraries

1. Go to <http://uclibs.org/PID/168793> to access the Landolt-Börnstein volumes archived in Portico. Browse the alphabetical list of volumes to find the one you need. You may also have luck by searching (CTRL+F) the page for your volume. *See note on the next page about ambiguous titles.*

The screenshot shows a list of five volume titles, each underlined and in blue text. A yellow box labeled 'Volume Title' has an arrow pointing to the third title, 'Enthalpies of Fusion and Transition of Organic Compounds'.

- [Elements, Borides, Carbides, Hydrides](#)
- [Energy Levels of Nuclei: A = 5 to A = 257](#)
- [Enthalpies of Fusion and Transition of Organic Compounds](#)
- [Epitaxy Data of Inorganic and Organic Crystals](#)
- [Estimation of Unknown Excitation Functions and Thick Target Yields for p, d, He-3 and Alpha-Reactions](#)

2. Find your chapter and download the PDF. Browse or search within the PDF to find the compound and data you need.

The screenshot shows the Portico website interface. On the left is a navigation sidebar with the Portico logo and various links. The main content area displays the title 'Enthalpies of Fusion and Transition of Organic Compounds' and its details. A table of contents lists six sections, each with a 'PDF' link. A yellow box labeled 'Chapter Title' has an arrow pointing to the fifth section, '5: Organic Compounds, C6'.

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19,397,031

Enthalpies of Fusion and Transition of Organic Compounds

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K. N. Marsh, Editor

1: Title, Authors, Preface. Pages 1-6.
Available Rendition(s) for Section: [PDF](#)

2: Introduction. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 1-23.
Available Rendition(s) for Section: [PDF](#)

3: Organic Compounds, C1 to C3. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 29-68.
Available Rendition(s) for Section: [PDF](#)

4: Organic Compounds, C4 to C5. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 73-114.
Available Rendition(s) for Section: [PDF](#)

5: Organic Compounds, C6. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 119-155.
Available Rendition(s) for Section: [PDF](#)

6: Organic Compounds, C7 to C8. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 159-208.
Available Rendition(s) for Section: [PDF](#)

Available E-Book Renditions: [Table of Contents](#) | [Additional Information](#)

Subvolume A

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H. Schopper, Editor

Frontmatter.

Available Rendition(s) for Section: [PDF](#)

1: Introduction, conventions adopted, particle dictionary. A. Baldini, V. Flaminio, W. G. Moorhead, D. R. O. Morrison, Pages 1-13.

Available Rendition(s) for Section: [PDF](#)

2: I.1 List of reactions(I (pi-) induced reactions). A. Baldini, V. Flaminio, W. G. Moorhead, D. R. O. Morrison, Pages 1-4.

Available Rendition(s) for Section: [PDF](#)

Citation: Volume 12a

Frontmatter

1: Introduction, conventions adopted, particle dictionary

A. Baldini, V. Flaminio, W. G. Moorhead, D. R. O. Morrison

Section DOI: [10.1007/10353188_1](https://doi.org/10.1007/10353188_1)

Pages 1-13

Abstract

Group I
Volume 12a

Volume Title

Summary

This document is part of Subvolume A of Volume 12 'Total Cross-Sections for Reactions of High Energy Particles' of Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms.