



Solubility in Supercritical Carbon Dioxide

Ram B. Gupta, Jae-Jin Shim

Download now

[Click here](#) if your download doesn't start automatically

Solubility in Supercritical Carbon Dioxide

Ram B. Gupta, Jae-Jin Shim

Solubility in Supercritical Carbon Dioxide Ram B. Gupta, Jae-Jin Shim

Supercritical fluid extraction is an environmentally safe and cost-effective alternative to traditional organic solvents. Carbon dioxide is widely used as the solvent of choice for applications such as caffeine and nicotine extraction due to its mild critical temperature, nontoxicity, nonflammability, and low cost.

Introducing the most complete collection of supercritical CO₂ solubility data currently available, **Solubility in Supercritical Carbon Dioxide** features experimental data on more than 780 solutes in consistent units and an easily accessible format.

This book reflects the authors' painstaking efforts to compile solubility data for an extensive variety of compounds including liquids, solids, polymers, foods, drugs, nutraceuticals, pesticides, dyes, and metal complexes. Each of the more than 1200 tables is arranged in alphabetical order by compound, includes a graphical plot of its data, and features the following information:

- Compound name, molecular formula, and molecular weight
- Temperature and pressure given in Kelvin and bar, respectively
- Name and amount of cosolvent, if applicable
- Molar or mass solubility, when applicable
- Mole- or mass-fraction solubility
- Synonyms for the compound, where available
- Reference source for the data

Density data for CO₂ appears in one appendix, while a complete list of solutes by molecular formula appears in the other. Clear, consistent, and carefully organized, **Solubility in Supercritical Carbon Dioxide** is the most convenient quick-lookup guide for reliable data.

 [Download Solubility in Supercritical Carbon Dioxide ...pdf](#)

 [Read Online Solubility in Supercritical Carbon Dioxide ...pdf](#)

Download and Read Free Online Solubility in Supercritical Carbon Dioxide Ram B. Gupta, Jae-Jin Shim

From reader reviews:

Francis Dawson:

Have you spare time for any day? What do you do when you have more or little spare time? Sure, you can choose the suitable activity to get spend your time. Any person spent their very own spare time to take a walk, shopping, or went to often the Mall. How about open or perhaps read a book allowed Solubility in Supercritical Carbon Dioxide? Maybe it is for being best activity for you. You know beside you can spend your time with the favorite's book, you can better than before. Do you agree with it has the opinion or you have some other opinion?

Anne Hahn:

The book Solubility in Supercritical Carbon Dioxide will bring that you the new experience of reading any book. The author style to elucidate the idea is very unique. Should you try to find new book to see, this book very suited to you. The book Solubility in Supercritical Carbon Dioxide is much recommended to you to see. You can also get the e-book from the official web site, so you can more readily to read the book.

Lettie Perez:

People live in this new moment of lifestyle always make an effort to and must have the spare time or they will get great deal of stress from both daily life and work. So , once we ask do people have time, we will say absolutely yes. People is human not a robot. Then we question again, what kind of activity do you have when the spare time coming to a person of course your answer will probably unlimited right. Then do you try this one, reading ebooks. It can be your alternative throughout spending your spare time, the particular book you have read is Solubility in Supercritical Carbon Dioxide.

Earl Quintana:

Are you kind of busy person, only have 10 as well as 15 minute in your day time to upgrading your mind expertise or thinking skill actually analytical thinking? Then you are experiencing problem with the book when compared with can satisfy your short time to read it because pretty much everything time you only find guide that need more time to be examine. Solubility in Supercritical Carbon Dioxide can be your answer because it can be read by anyone who have those short extra time problems.

Download and Read Online Solubility in Supercritical Carbon Dioxide Ram B. Gupta, Jae-Jin Shim #2J3TFHUXMIE

Read Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim for online ebook

Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim books to read online.

Online Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim ebook PDF download

Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim Doc

Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim Mobipocket

Solubility in Supercritical Carbon Dioxide by Ram B. Gupta, Jae-Jin Shim EPub