## Solubility of Nonsteroidal Antiinflammatory Drugs (NSAIDs) in Neat Organic Solvents and Organic Solvent Mixtures

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This IUPAC-NIST Solubility Data Series volume reviews experimentally determined solubility data for 33 non-steroidal anti-inflammatory drugs (NSAIDs) dissolved in neat organic solvents and well-defined binary and ternary organic solvent mixtures retrieved from the published chemical and pharmaceutical literature covering the period from 1980 to the beginning of 2014. Except for aspirin (2-acetoxybenzoic acid) and salicylic acid (2-hydroxybenzoic acid), very little physical and chemical property data are available in the published literature for NSAIDs prior to 1980. Solubility data are compiled and critically reviewed for aclofenac, celecoxib, dexibuprofen, diclofenac,

**IUPAC Empfehlungen** 

The German National Adhering Organization, the Deutscher Zentralausschuss für Chemie, through one of its component Societies, the Gesellschaft Deutscher Chemiker, regularly arranges for the translation and publication of selected IUPAC Reports and Recommendations in the journal *Angewandte Chemie*.

For more information, please visit the journal website: http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1521-3757/homepage/iupacemp/index.html

Suggestions for themes and experts are welcomed; e-mail contact: angewandte @ wiley-vch.de

IUPAC Recommendations recently translated in German include:

- Definition of the halogen bond (IUPAC Recommendations 2013), Angew. Chem. 2014, 126, No. 24, 6391-6392 (DOI: 10.1002/ange.201309626)
- Terminology for aggregation and self-assembly in polymer science (IUPAC Recommendations 2013), Angew. Chem. 2014, 126, No. 11, 3078-3091 (DOI: 10.1002/ange.201304087)

diflunisal, etoricoxib, fenbufen, fentiazac, flufenamic acid, flurbiprofen, ibuprofen, indomethacin, ketoprofen, ketorolac, lornoxicam, mefenamic acid, meloxiam, nabumetone, naproxen, niflumic acid, nimesulide, phenylbutazone, piroxicam, rofecoxib, sodium diclofenac, sodium ibuprofen, sodium naproxen, sodium salicylate, tenoxicam, tolfenamic acid, and valdecoxib.

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## **Provisional Recommendations**

Provisional Recommendations are drafts of IUPAC recommendations on terminology, nomenclature, and symbols made widely available to allow interested parties to comment before the recommendations are finally revised and published in Pure and Applied Chemistry. Full text is available online.

## Nomenclature and Graphic Representations for Chemically Modified Polymers

A new source-based nomenclature system is described which indicates that a particular polymer has been chemically modified. A connective within the name of a polymer, -mod-, is introduced for this purpose as in poly[(A)-mod-(B)]. The system is intended to be used in accordance with source-based naming of polymers but also provides for the use of structure-based names when it is unavoidable. It embraces: (1) modification of a constitutional unit into another, the unique structure of which is known; and (2) a more general modification of a constitutional unit resulting in any one of a number of possible structures. In addition, a new symbol, ~>, is proposed for use in graphic representations of the structure of modified polymers.

Comments by 31 December 2014
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http://www.iupac.org/project/1999-051-1-800