

RDF for chemistry

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Abstract

C-SHALS 2009 (Conference on Semantics in Healthcare and Life Sciences) has just started, and has coverage in a blog and in a FriendFeed room.

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C-SHALS 2009 (Conference on Semantics in Healthcare and Life Sciences) has just started, and has coverage in a [blog](#) and in a [FriendFeed room](#). It nicely coincides with Rich' blog on [What the Heck is the Semantic Web?](#), and the RDF work I have recently done on [rdf.openmolecules.net](#) and [Bioclipse](#) . (Oh, do I wish I could have attended that conference.)

Anyway, I was proudly surprised to see [sechemtic](#) show up in the [Semantic Web technologies: Introduction and Survey](#) tutorial by Lee Feigenbaum of [Cambridge Semantics](#):

RDFA Example: Chemicals

InChI is a textual identifier for chemical substances. Consider incl

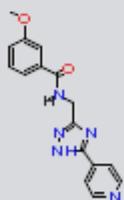
```
<table>
<tr>
  <th>Familiar name</th><th>InChI</th>
</tr><tr>
  <td>Methane</td>
  <td about="http://example.org/methane" property="chem:inchi"
       xmlns:chem="http://www.blueobelisk.org/chemistryblogs/">
    InChI=1S/CH4/h1H4
  </td>
...
...
```

Use? Rich was asking what could be done with RDF for chemistry... here is a [nice mashup](#) by Phil Ashworth: a [Google Map](#) showing the locations where certain chemical can be bought:

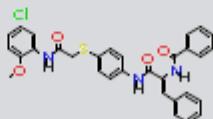


ITEM LIST • PROPERTIES TABLE • THUMBNAIL

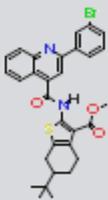
sorted by: labels; then by... • grouped as sort



J AGVNCSZAWYJSFTUHFFF A OYAR



AGWPEXXJLJIZOE-IMRQLAEWBN



AISHDCYSDXCSTH-UHFFF A O