

# Chemistry in HTML: JavaScript from the server

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## Keywords

Html, Javascript, Userscript

## Abstract

Recently I blogged about a Greasemonkey script to take advantage of semantic markup of chemistry in blogs (and HTML in general), and later made some plans how this can be extended . One of the ideas was to make this userscript available from the server, instead of having people need to install Greasemonkey and the script separately. So, here it is.

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Recently I blogged about [a Greasemonkey script](#) to take advantage of [semantic markup of chemistry in blogs](#) (and HTML in general), and later made [some plans how this can be extended](#). One of the ideas was to make this userscript available from the server, instead of having people need to install [Greasemonkey](#) and the script separately. So, here it is.

## sechemtic.js

Consider this (X)HTML:

```
<html xmlns="http://www.w3.org/1999/xhtml"
      xmlns:chem="http://www.blueobelisk.org/chemistryblogs/">

<head>
  <title>m1</title>
  <script type="text/javascript" src="sechemtic.js" />
</head>

<body onload="addGoogleAndPubChemLinks(1,1)">
  <h1>The Output</h1>
  <p>This article is about <span class="chem:compound">m1</span>
    (SMILES:<span class="chem:smiles">CCOC</span>).</p>

</body>

</html>
```

## The Output

This article is about m1 [PubChem](#) (SMILES:CCOC [Google](#), [PubChem](#)).

I think the above example shows the simple setup of the Sechemtic Web script (please forgive me my habit to use bad linguistic mashups ;). Just load the script in the HTML `<head>`, and add in the `onload="addGoogleAndPubChemLinks(1,1)"` attribute to the `<body>` element. With blogs these bits would be part of the template, and, therefore, need to be installed once. From then on, just use the [semantic markup as explained earlier](#). Both the microformat and the RDFa method are supported. In case of the latter, I recommend to define the chem namespace in the template of webpages too, instead of in the `<span>` elements.

Currently, the Sechemtic Web script only has one functionality: to add links to [PubChem](#) and [Google](#), with the `addGoogleAndPubChemLinks(int, int)` method. The first parameter determines (0 or 1) if links to Google should be made, and the second parameter does the same for links to PubChem.

## Download

For now, the script can be downloaded [here](#). It is licensed with the GPL version 2.0.

## Microformats

Here's the same example using [microformats](#) instead of RDFa:

```
<html>

<head>
  <title>m1</title>
  <script type="text/javascript" src="sechemtic.js" />
</head>

<body onload="addGoogleAndPubChemLinks(1,1)">
  <h1>The Output</h1>
  <p>This article is about <span class="compound">m1</span>
    (SMILES:<span class="smiles">CCCOC</span>).</p>

</body>

</html>
```