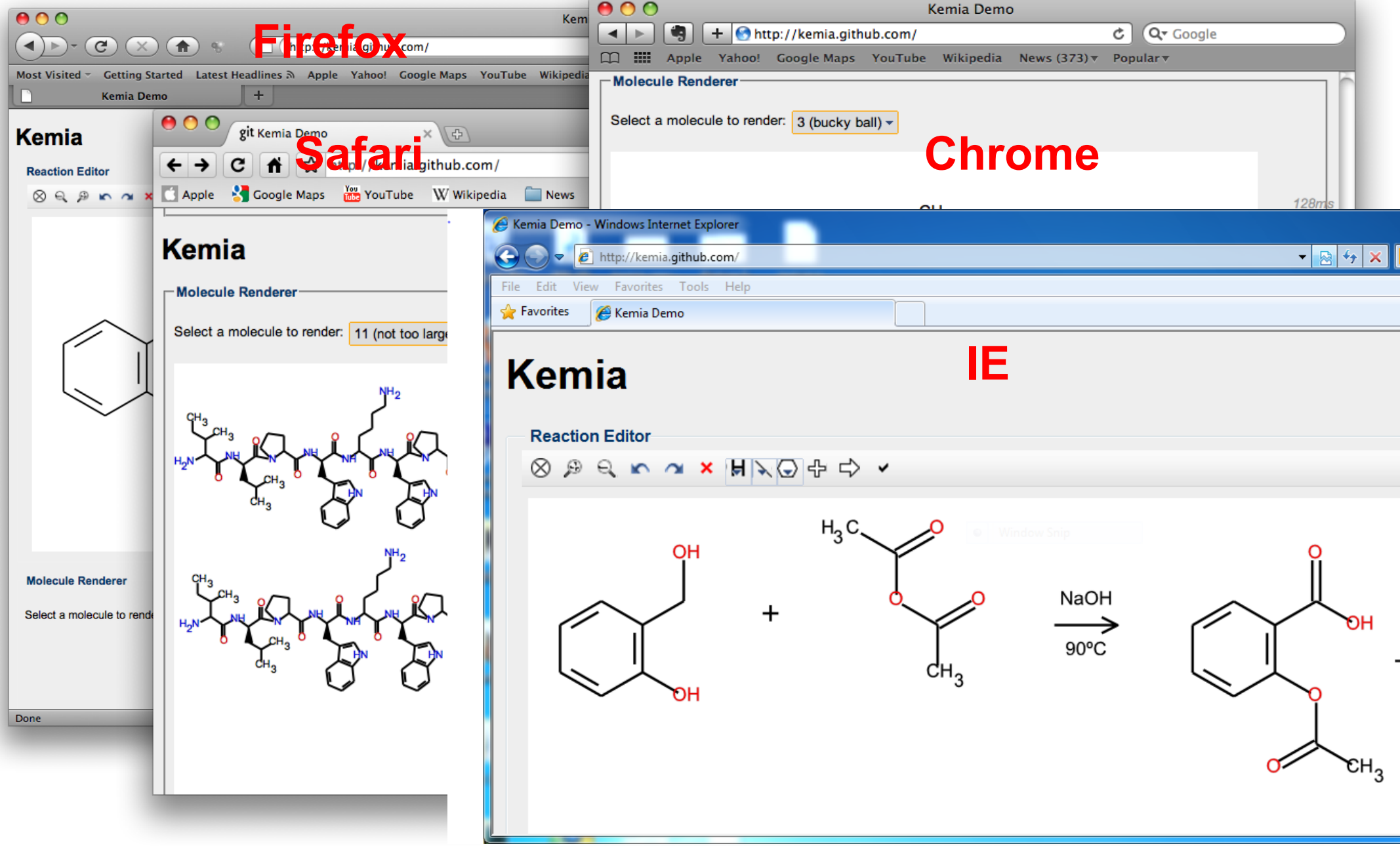
Kemia

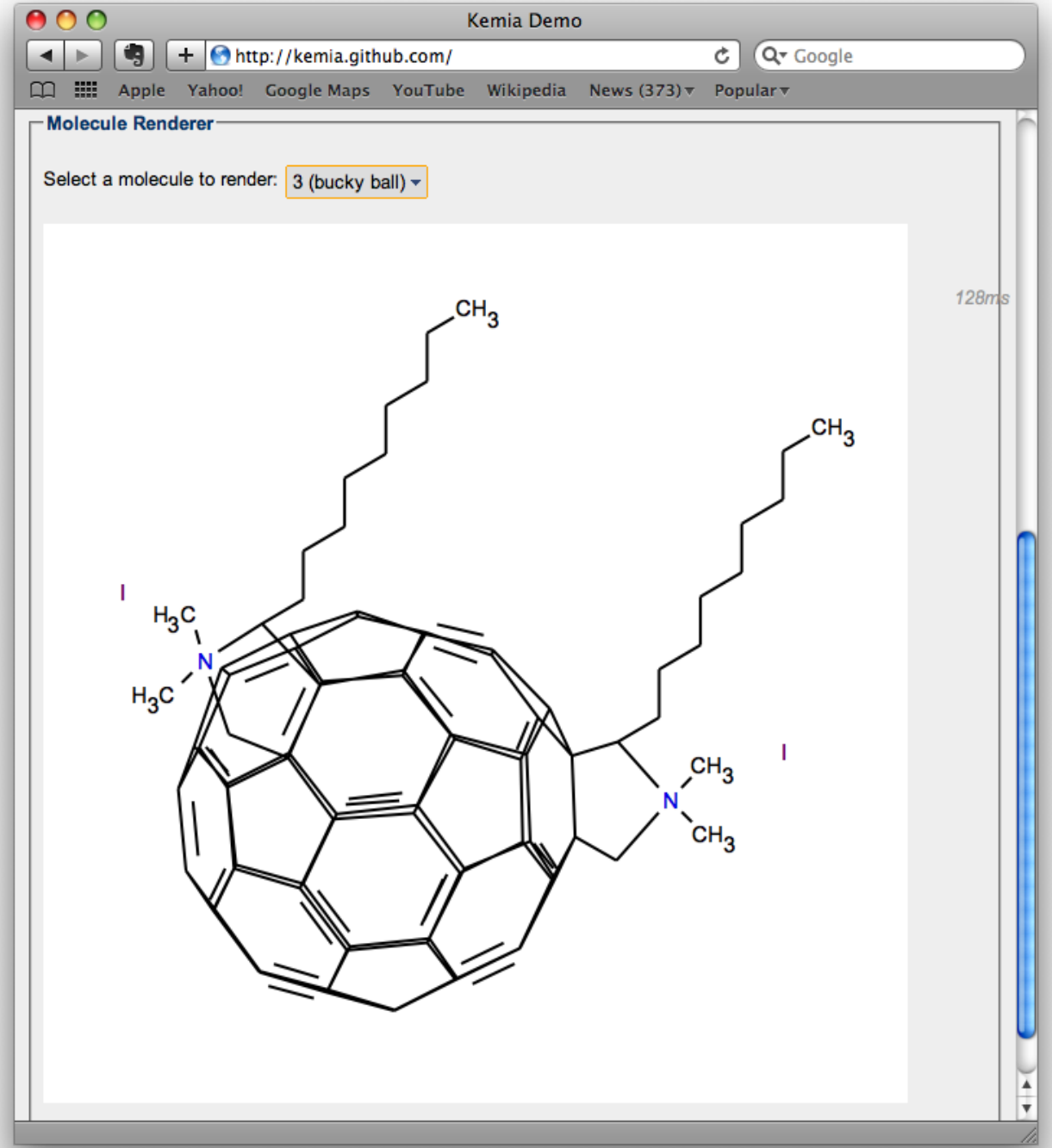
- 100% Javascript
- Cheminformatics Library
- Reaction Editor

http://kemia.github.com



works with popular browsers

http://kemia.github.com



Fast - buckyball from molfile in 128 ms

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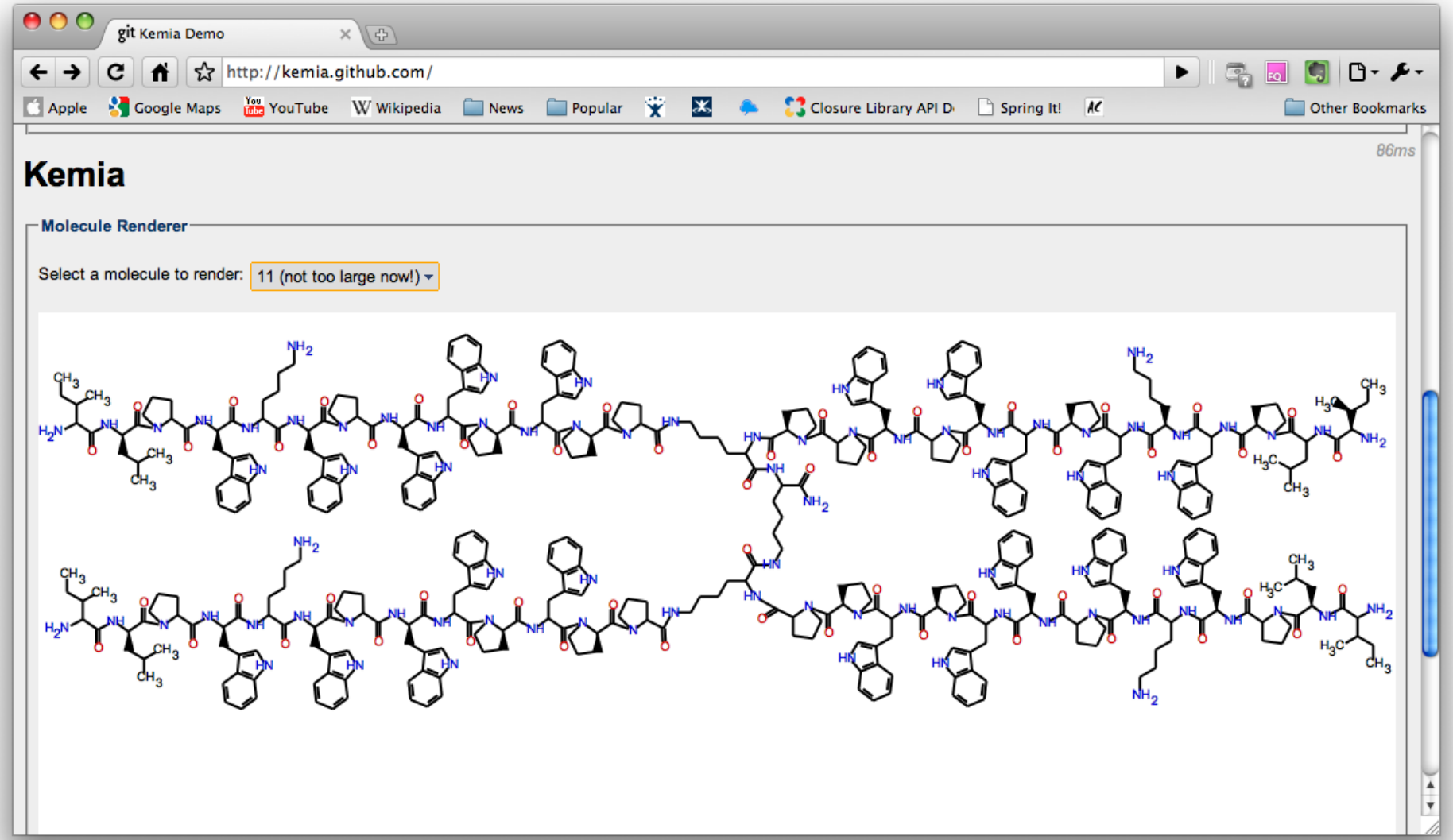
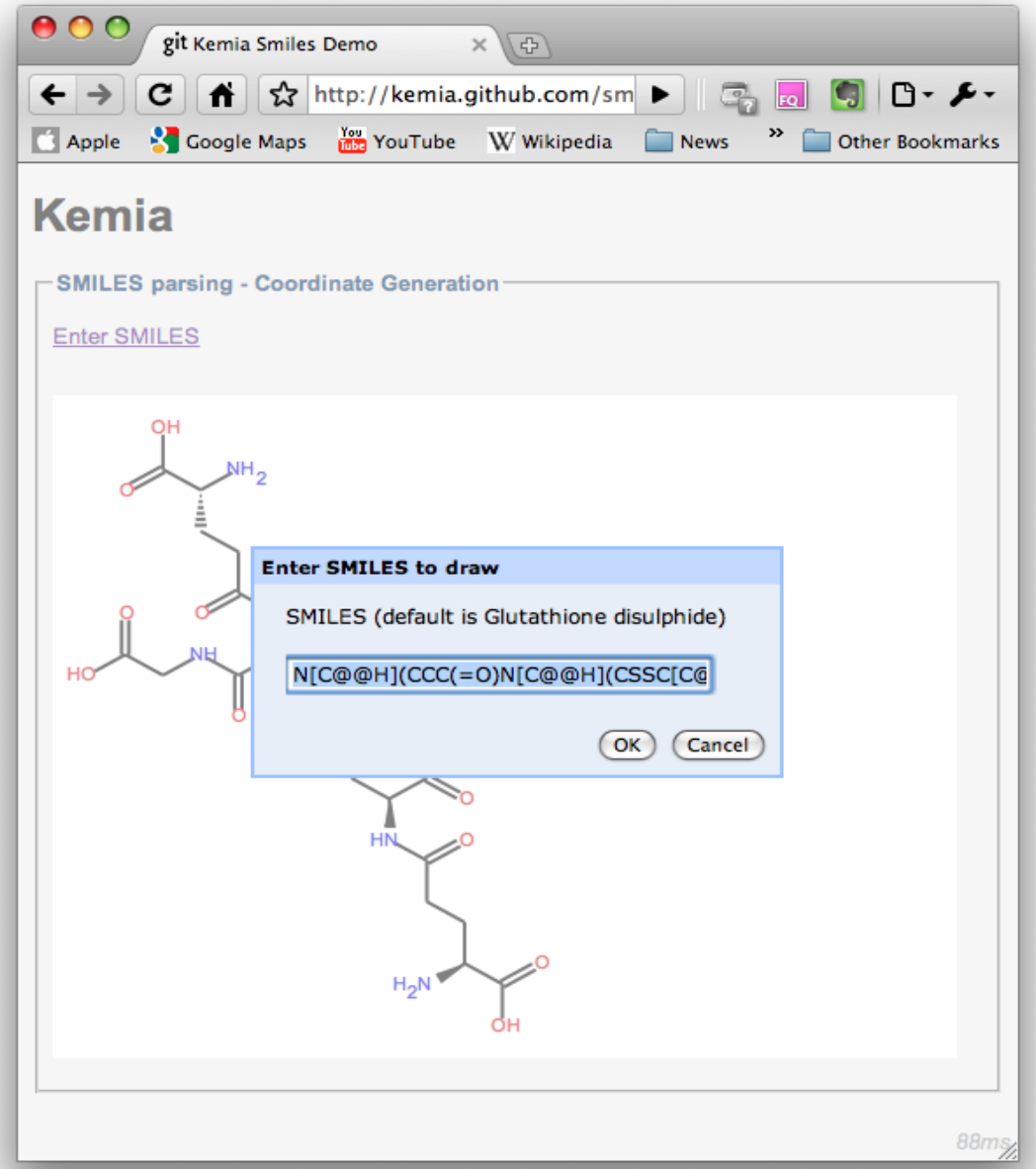


http://kemia.github.com



Parse SMILES and Generate Coordinates http://kemia.github.com

```
var mol_renderer;
function initPage() {
    mol_renderer = new kemia.controller.ReactionEditor(goog.dom.getElement('kemia'));
}

var promptHandler = function(smiles) {
    if (smiles != null) {
        var timer = goog.now();
        var mol = kemia.io.smiles.parse(smiles);
        kemia.layout.CoordinateGenerator.generate(mol);
        mol_renderer.setModels( [ mol ]);
        goog.dom.setTextContent(goog.dom.getElement('perf'), (goog.now() - timer) + 'ms');}
}

var prompt = new goog.ui.Prompt('Enter SMILES to draw',
        'SMILES (default is Glutathione disulphide)', promptHandler);

```

Sample code for SMILES parsing, coordinate generation and rendering. This is entire script block for http://kemia.github.com/smiles.html

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