Subject: Re: Retrieve Wikipedia Molecules
Posted by nbehrnd on Fri, 03 Apr 2020 13:51:00 GMT
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Dear Chase,

using this function requests DW to create a local table, comprising molecular structure, compound name, Hill formula, and molecular weight for each entry about chemical compounds in the (English
version of) wikipedia. The source for this is the little «info box» the English wikipedia shows on the right hand top corner of each article. A priori both molecular [organic] compounds (like lutidine) as well as inorganic compounds (like sodium chloride) are considered; currently summing up 17421 entries.

This local table may serve you as starting point for any computations with DW including the search
by name, (sub)structure and structure similarity; a click with the right mouse button will direct you to the corresponding wikipedia entry. The functionality is related to the on-line service of Wikipedia Chemical Structure Explorer at http://www.cheminfo.org/wikipedia.

Its «inner working» was published in

Ertl, P., Patiny, L., Sander, T., Ruferner, C., Zasso, M. Wikipedia Chemical Structure Explorer: substructure and similarity searching of molecules from Wikipedia. J Cheminform 7, 10 (2015)

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