

**NAME**

SplitSDFfiles.pl - Split SDFfile(s) into multiple SD files

**SYNOPSIS**

SplitSDFfiles.pl SDFfile(s)...

SplitSDFfiles.pl [-h, --help] [-n, --numfiles number] [-o, --overwrite] [-r, --root rootname] [-w, --workingdir dirname] SDFfile(s)...

**DESCRIPTION**

Split *SDFfile(s)* into multiple SD files. Each new SDFfile contains a compound subset of similar size from the initial file. Multiple *SDFfile(s)* names are separated by space. The valid file extensions are *.sdf* and *.sd*. All other file names are ignored. All the SD files in a current directory can be specified either by *\*.sdf* or the current directory name.

**OPTIONS**

-h, --help

Print this help message

-n, --numfiles *number*

Number of new files to generate for each *SDFfile(s)*. Default: 2

-o, --overwrite

Overwrite existing files

-r, --root *rootname*

New SD file names are generated using the root: <Root>Part<Count>.sdf. Default new file names: <InitialSDFfileName> Part<Count>.sdf. This option is ignored for multiple input files.

-w, --workingdir *dirname*

Location of working directory. Default: current directory

**EXAMPLES**

To split each SD file into 5 new SD files, type:

```
% SplitSDFfiles.pl -n 5 -o Sample1.sdf Sample2.sdf
% SplitSDFfiles.pl -n 5 -o *.sdf
```

To split Sample1.sdf into 10 new NewSample\*.sdf files, type:

```
% SplitSDFfiles.pl -n 10 -r NewSample -o Sample1.sdf
```

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**SEE ALSO**

InfoSDFfiles.pl, JoinSDFfiles.pl, MolFilesToSD.pl, SDToMolFiles.pl

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