

InFarmatik CPM Fragment library fact sheet

1.) Name: InFarmatik Covalent Protein Mapping fragment library.

2.) Library design in brief:

- Concept: In shallow binding pockets the binding force is low, thus a selective reaction between a nearby SH to the binding site could facilitate the determination of even very weak binding between the fragment and the binding site.
- Evaluation: An acrylamide library was produced. The compounds show strong reactivity via Michael addition towards free thiol groups on the peptide's surface.

3.) Applications:

SarC selective binding experiences (U. Mich., USA 2011)

Virological binding assays (DanaFarber Cancer Inst. USA 2011)

Protein binding studies (Academics, London UK 2013)

4.) CPM fragment library contains 128 fragments.

5.) Guaranteed purity is 90 % for screening quantities determined by LCMS at 220 nm wavelength. In case of ordering more than 100 mg the delivered purity is at least 95 % determined by proton NMR and by LCMS at 220 nm wavelength.

6.) Cherry picking is allowed. Be aware that price depends on the ordered quantity (number of compounds and weight).

7.) Some representative structures:

