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【923】 Ligand identification with DNA-encoded chemical libraries

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The identification of ligands to biologically relevant targets is a central aspect of pharmaceutical research. Traditional methods such as high-throughput screening probe individual compounds in single reaction vessels for biological function and are typically limited to max. 10^6 compounds. In contrast, DNA-encoded chemical libraries are pooled collections of $>10^9$ compounds and allow for identification of ligands through biophysical interactions with the target of interest. This parallel screening of millions to billions of compounds greatly facilitates the identification of tools and starting points for drug discovery projects.

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