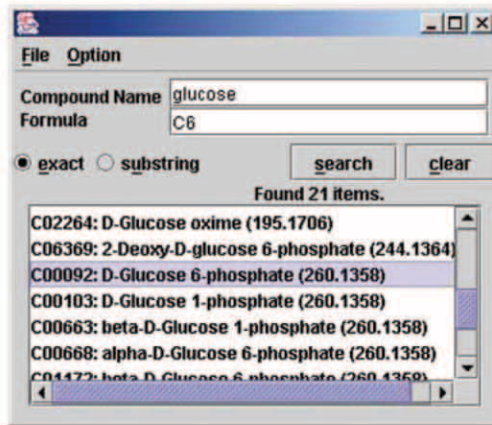


Elucidating the Bacterial Metabolism

- Cellular Activities Visualized at the Atomic Scale -

For an understanding of complex cellular activities, insight into the synthesis and degradation of organic compounds within a cell, its metabolism, is of primary importance. I have devoted my efforts to the digitization of the cellular metabolism by building databases for compound structures, enzymatic reactions, and metabolic pathways. In these databases, biological activities are described at the atomic scale. Using graph algorithms, tracer experiments can be performed on a computer. At present, metabolic data for *E.coli* and *B.subtilis* are available.

<http://www.metabolome.jp>



Snapshot of COMPOUND Browser

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