

“ I need to know  
the structure of  
this compound ”

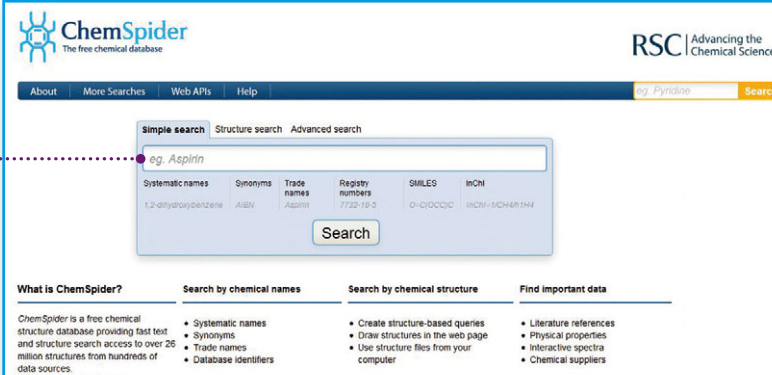
## ChemSpider can help you!

We know that chemical naming is hard and that trivial names hide complex structures.

We want to make it easy for you to find this information wherever you are:

• In the lab • At home • At a conference

A simple and intuitive  
text search.



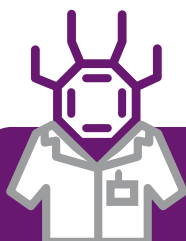
The screenshot shows the ChemSpider homepage with a search bar containing "eg. Aspirin". Below the search bar, a table displays search results for Aspirin, including systematic names, synonyms, trade names, registry numbers, SMILES, and InChI. The "What is ChemSpider?" section is also visible, describing the database's capabilities.

Once you've found a structure,  
save it in a format that can be  
opened in any chemical  
drawing program; use it again  
and again.

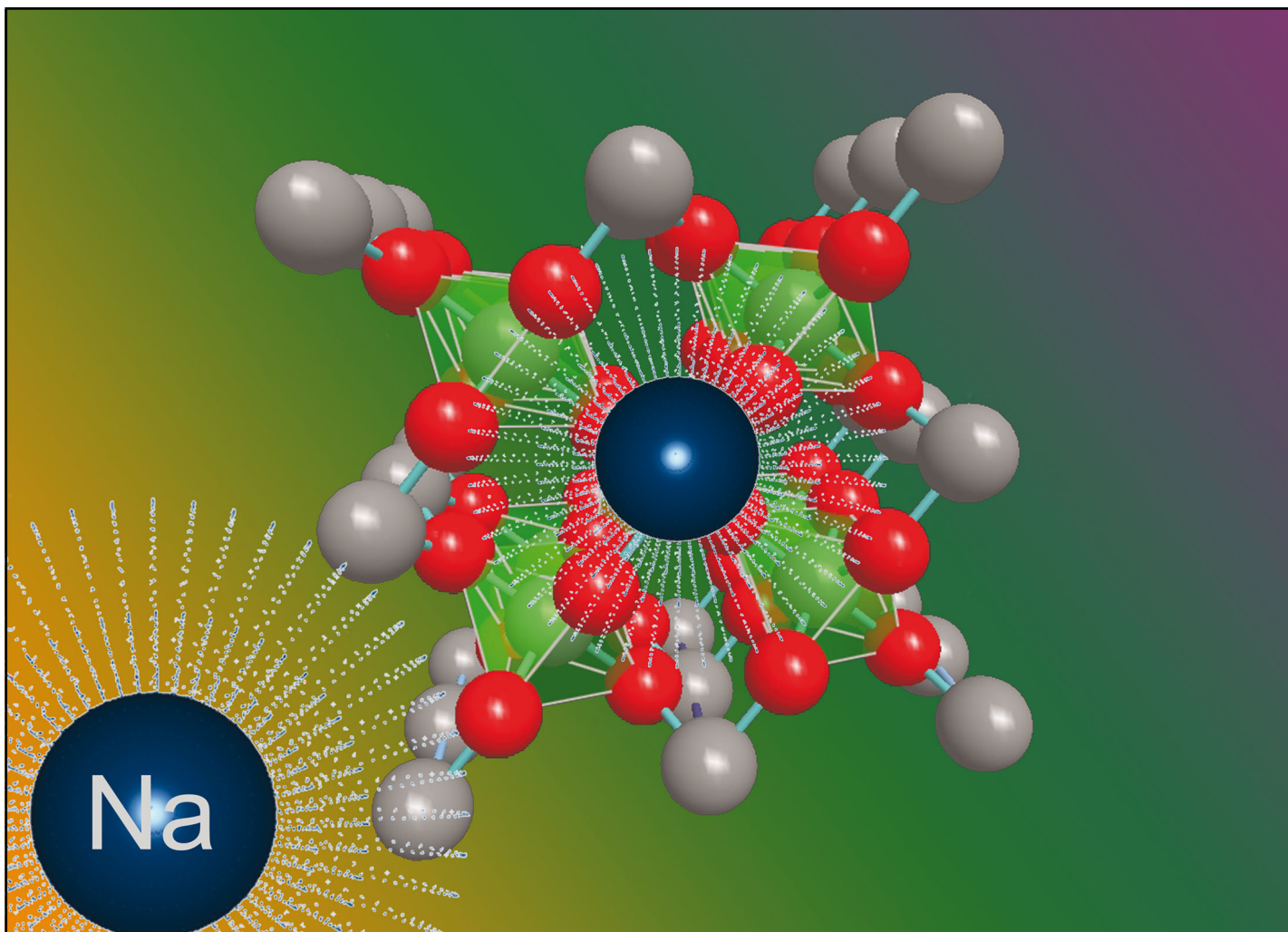


The screenshot shows the search results for "brevetoxin B". It displays the chemical structure, molecular formula ( $C_{60}H_{70}O_{14}$ ), average mass (895.08197 Da), and monoisotopic mass (894.47699 Da). The systematic name is also provided, along with a list of synonyms and a link to view the structure in 3D.

View the image in 3D



And remember, **ChemSpider** gives you access to a database containing 28 million chemical structures and all of this information: **FREE**, for **Anyone**, **Anytime**, **Anywhere**

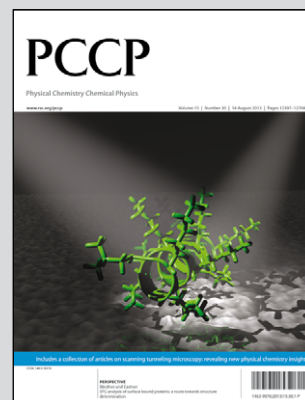


**Showcasing collaborations between the Centre for Clean Energy Technology at the University of Technology, Sydney, Australia and WCU Centre for Next Generation Batteries at Gyeongsang National University, South Korea**

**Title: Octahedral tin dioxide nanocrystals as high capacity anode materials for Na-ion batteries**

This work introduces the synthesis of octahedral  $\text{SnO}_2$  single crystals with dominantly exposed {221} active facets as anode materials for sodium-ion batteries. The exposed (1×1) tunnel-structure could facilitate the initial insertion of Na ions. The mechanism of the reversible Na storage in  $\text{SnO}_2$  crystals was revealed by *ex situ* TEM analyses.

**As featured in:**



See Wang *et al.*,  
*Phys. Chem. Chem. Phys.*,  
2013, **15**, 12543.

**www.rsc.org/pccp**

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