

Shivered to discover that the metal-organic compound kills cancer cells from within

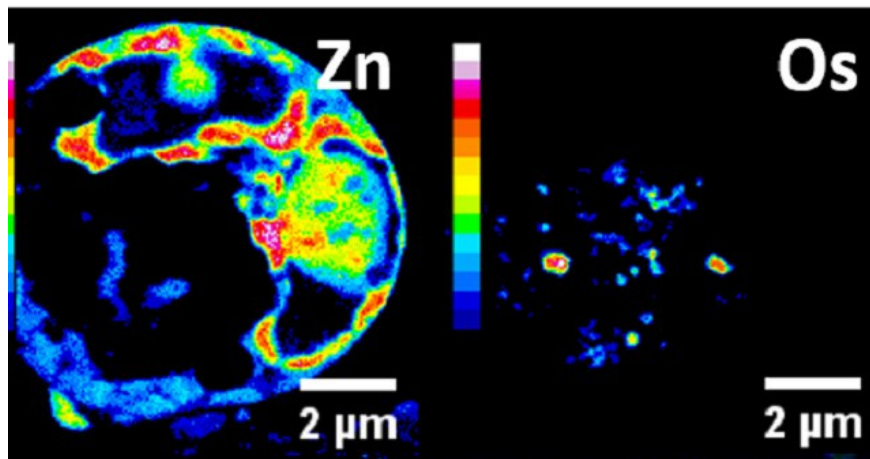
Researchers at the University of Warwick have seen cancer cells destroyed from the inside by a specific metal-organic compound.

Researchers at the University of Warwick have seen cancer cells destroyed from the inside by a specific metal-organic compound.

Professor Peter J. Sadler, and his team in the Department of Chemistry have demonstrated that the metal-organic compound **Organo-Osmium FY26** - first developed at Warwick University has the ability to locate, identify and attack the weakest points of cancer cells.

' This is the first time that Organo-Osmium organic - metal compound FY26 is known to be 50 times more aggressive against cancer than current anti-cancer drugs on the market .

In cooperation with the European Radiation Fund, the researchers analyzed the specific effects of Organo-Osmium FY26 in **ovarian cancer** cells under **X-ray** fluorescent light to monitor how the compound works. This substance.



The results showed that cancer cells under **nanotechnology** were discovered every detail, every minute. They also see mitochondria, specialized nuclei that supply energy for cancer cells to function.

The research team pointed out that there are still **mutations** in the mitochondrial **DNA** of cancer cells in cancer cells that make this position very weak and very vulnerable to attack.

FY26 in Organo-Osmium FY26 found mutant mitochondria, which then crept into this gap and destroyed the vital function of cancer cells at the time of the weakest cells.

Moreover, researchers have also seen natural metals produced by the body like zinc and calcium moving around cancer cells. Calcium is especially known to affect the function of cancer cells, and it is thought that this natural metal that helps FY26 achieve an optimal position in cancer cells to attack .

More than half of the cancer treatments currently used are platinum compounds, which have been discovered about 40 years ago. This is one of the most miraculous things that other precious metals bring.

Although this study was conducted only on ovarian cancer cells, the results showed a breakthrough, opening up hope for treatment with other types of cancer.

FY26 has been shown to be more selective and identifiable between normal living cells and cancer cells on the body.

' The creation of a new anti-cancer drug, not against the body's immune system, has little to do with side effects, which is essential and important in current medicine. Dr. Peter Cloetens said in a statement.

" Under the high-end X-ray beam at ESRF, the experiment has allowed us to clearly define the 'utopian' role of FY26 with a clear resolution, in which the presence of natural metals like Zinc and calcium are also detected around cancer cells, which will be a new important premise for cancer detection and treatment in the future .

To carry out this study, Professor Sadler's group collaborated with Dr. Carlos Sanchez and Dr. Isolda Romero Canelon, Dr. Peter Cloetens and colleagues at ESRF in Grenoble, France.

You finished reading the article "**Shivered to discover that the metal-organic compound kills cancer cells from within**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.