



**Get Serious  
Get SynPhase**

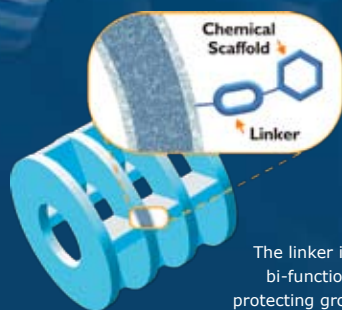
**SynPhase**<sup>™</sup>  
Combinatorial

**Lanterns will propel you to 1000's  
of drug-like compounds a year with  
unlimited diversity**

## SynPhase Lanterns in Drug Discovery Research

A wide range of molecules of biological interest including heterocyclic and polycyclic structures have been successfully synthesized on SynPhase Lanterns. Numerous exciting results have been published in leading international journals or presented at international conferences (for a complete list of SynPhase Lantern publications in drug discovery research, please visit Mimotopes' website).

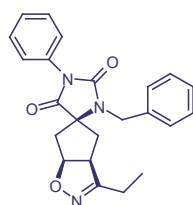
### How do SynPhase Lanterns overcome limitations in synthetic chemistry?



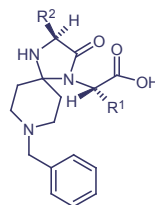
The linker is a bi-functional protecting group connecting the chemical scaffold to the solid support

SynPhase Lanterns are modular solid substrates with superior advantages over resins.

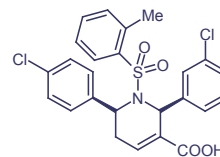
- **Rapid and uniform reaction kinetics**
- **No weighing, no filtration, no messy transferring**
- **Easy washing and drainage**
- **Requires only common glassware**
- **Excellent platform for DOS chemistry**



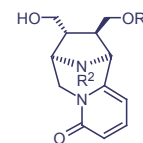
J. Comb. Chem.  
2001, 3, 171  
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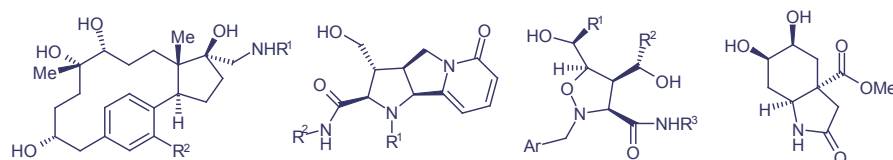
J. Am. Chem. Soc.  
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Bioorg. Med. Chem Lett.  
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Marcaurette et al

## Case Study: Oncology program at Infinity Pharmaceuticals

Infinity Pharmaceuticals (INFI, NASDAQ) chemists synthesized over 260,000 diversity-orientated-synthesis (DOS) molecules on SynPhase Lanterns (some structures are shown below) over 18 months, which accelerated the generation of new lead compounds for clinical development.



No special laboratory equipment is required for using SynPhase Lanterns

**SynPhase Lanterns can propel your discovery program further.  
Contact your nearest Mimotopes office to find out how.**

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