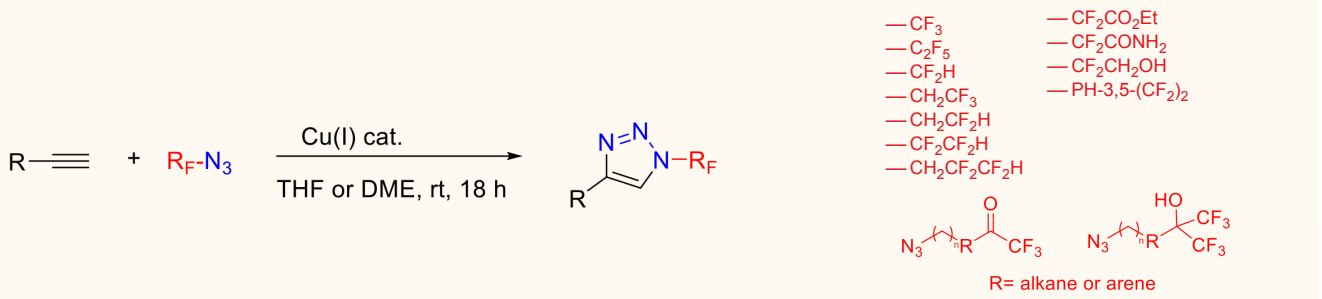
Key Organics
Chemistry | Innovation | Quality

CF PLUS CHEMICALS
Fluoroalkylation and bioconjugation

Fluorinated chemical space simply clicked

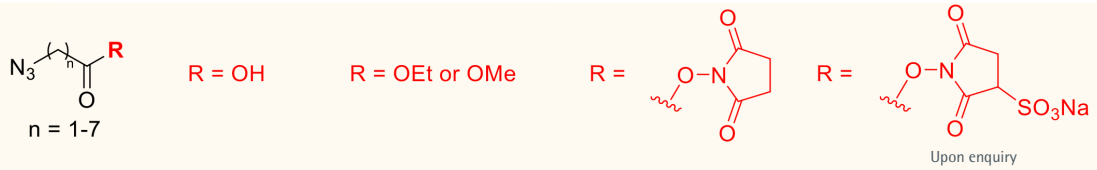
Small-molecule fluorinated azides as easy-to-handle dilute solutions are now available for drug discovery programs. The fluoroalkyl azides undergo copper-catalyzed alkyne-azide cycloaddition, forming 1,4-regioisomers in high selectivity or they can generate disubstituted triazoles by reaction with acidic ketones.



1,4-disubstituted N-perfluoroalkyl triazoles can be transformed using Rh-catalysis to various, difficult to access heterocycles, such as N-perfluoroalkyl imidazoles, pyrroles, imidazolones and pyrrolones.

ω-Azidocarboxylic acids and their derivatives in bulk

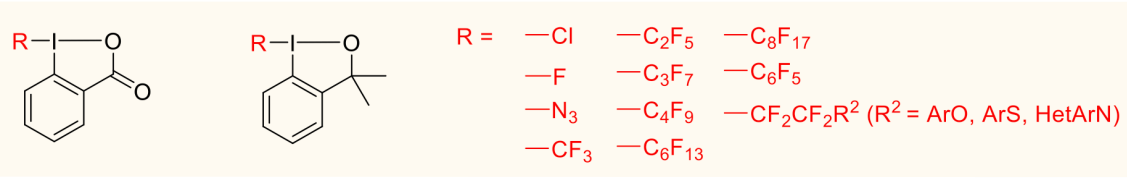
We offer an extensive, competitively priced portfolio of ω-azido-alkanecarboxylic acids differing in chain length, spanning from ω-azidoacetic up to ω-azidooctanoic acid.



Moreover, the related methyl/ethyl esters, NHS esters and sulfo-NHS esters are also available for synthetic or large scale bioconjugation projects.

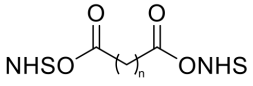
Hypervalent iodine-mediated functionalisation

We cover a whole range of cyclic hypervalent iodine reagents which are excellent electrophilic transfer agents, spanning from chlorination, fluorination, azidation, fluorinative functionalisation, cyclisation up to trifluoromethylation, pentafluoroethylation or transfer of substituted fluoroalkyl groups.



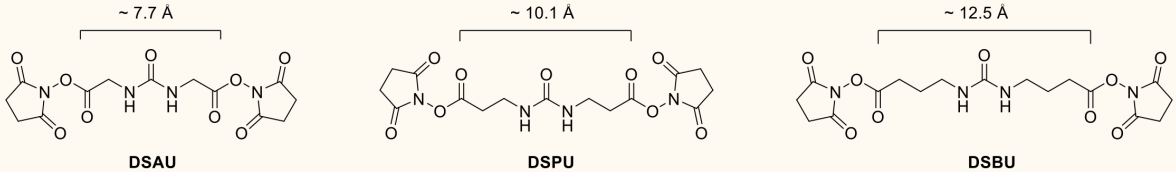
Protein crosslinkers for production and mass spec analysis

We have an extensive portfolio of homobifunctional NHS crosslinkers derived from alkanedicarboxylic acids available in bulk.



n = 0, 2, 3, 4, 5, 6, 8

Mapping of protein distances with MS-cleavable urea crosslinkers allows facile and unambiguous assignment of crosslinks. With our toolbox of three urea-based NHS crosslinkers, you can crosslink distances from 7.7 Å to 12.5 Å, thus extracting extensive proteomic XL-MS information.



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Key Organics

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- ☑ Global client base spanning the Life Sciences industries for over 30 years
- ☑ >275,000 innovative compounds in our collection
- ☑ Outstanding customer support, technical expertise & back-up
- ☑ >400 years collective R&D experience of synthetic chemistry and drug discovery
- ☑ High proportion of client retention and loyalty

Service Offerings

Key Organics Chemistry Services

- Collaborative R&D
- FTE Services
- Custom Synthesis
- Process R&D/Scale-up
- Analytical Chemistry
- Consultancy

Product Areas

BIONET Chemistry Products

- Intermediates
- Fragment Libraries
- Biochemicals
- Screening Compounds
- >275,000 Compounds

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