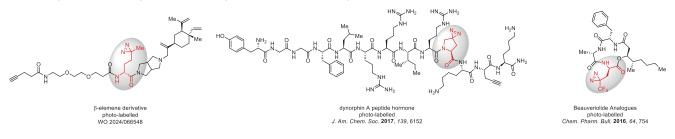
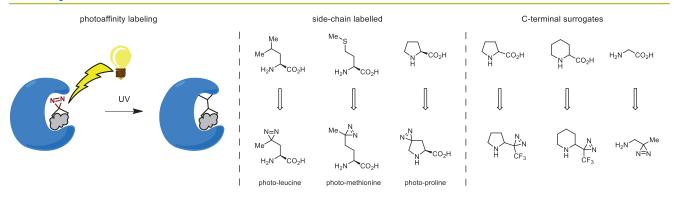
Photo Amino Acids

Introduction

Diazirines are chemically stable, small heterocyclic fragments that undergo controlled decomposition upon UV-light irradiation, releasing highly reactive carbene species that quickly bind to spatially proximal molecular fragments. Various diazirines have been used for photoaffinity labeling in the field of proteomics and for mapping protein-ligand interaction sites.¹ Amino acids bearing diazirines in their side chains are usually called photo amino acids, e.g., photo-leucine, photo-methionine, and photo-proline.²⁻⁴ Enamine offers photo-amino acids with diazirines in the side chains, as well as amino acid surrogates with diazirine groups replacing the backbone groups and diazirine tags.



Concept



We offer: more than 20 photo-amino acids and amino acid surrogates from stock on a 5-10 g scale.

N N CO ₂ H	N=N N_CO ₂ H	Me FmocHN CO ₂ H	Me BocHN CO ₂ H	Me BocHN [,] ,CO ₂ H		
EN300-1425910	EN300-46643186	EN300-22819369	EN300-33213766	EN300-27753024	EN300-12457185	EN300-37451329
EN300-7441093	$\overbrace{K}^{N} \underset{CF_{3}}{\overset{N}{\underset{K}{\overset{N}{\underset{K}{\overset{N}{\underset{K}{\overset{N}{\underset{K}{\underset{K}{\overset{N}{\underset{K}{\underset{K}{\underset{K}{\overset{N}{\underset{K}{\underset{K}{\underset{K}{\underset{K}{\underset{K}{\underset{K}{\underset{K}{\underset$	H ₂ N N=N EN300-224744	Me H ₂ N N=N EN300-37085188	MeHN ~ Me N=N EN300-28221887	N=N H ₂ N Me	N=N H ₂ N CF ₃
FmocHN CO ₂ H	NN BocHN CO ₂ H	CF3 N FmocHN CO2H	CF3 N, H BocHN CO2H	N, N H ₂ N CO ₂ Me	H ₂ N , N	HN
EN300-45611077	EN300-45611075	EN300-28319267	EN300-28319266	EN300-37466710	EN300-37466903	EN300-1704529

References

1. L. Conway et al. *Chem. Sci.* **2021**, *12*, 7839. 2. T. Yang et al. *Chem. Sci.* **2015**, *6*, 1011 Y. Masuda et al. Chem. Pharm. Bull. 2016, 64, 754.
M. Wright et al. J. Am. Chem. Soc. 2017, 139, 61



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