P. WANG, Y. CHENG, C. WU, Y. ZHOU, Z. CHENG, H. LI, R. WANG*, W. SU*, L. FANG*
(LANZHOU UNIVERSITY AND SHENZHEN INSTITUTE OF ADVANCED TECHNOLOGY,
SHENZHEN, P. R. OF CHINA)

Tyrosine-Specific Modification via a Dearomatization–Rearomatization Strategy: Access to Azobenzene Functionalized Peptides

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Synthesis of Azobenzene-Functionalized Peptides by Modification of Tyrosine-Containing Peptides

Significance: Azobenzene-functionalized peptides are important because of their distribution in photoresponsive biosystems. The authors report a new strategy for preparing azobenzene-functionalized peptides from tyrosine-containing peptides and phenylhydrazine.

Comment: By using (diacetoxyiodo)benzene, various peptides containing an azobenzene motif were synthesized with good chemoselectivity and site selectivity in moderate yields.

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