



Showcasing research from Professor Huan-Ming Huang's laboratory, School of Physical Science and Technology, ShanghaiTech University, Shanghai, China.

Catalytic three-component carboamination of unactivated alkenes with primary sulfonamides

A novel photocatalytic radical carboamination of unactivated alkenes, employing simple primary sulphonamides, has been showcased. This approach pioneers the synthesis of a broad range of nitrogen-rich molecular architectures through the formation of both carbon-nitrogen and carbon-carbon bonds. Notably, this innovative method displays exceptional compatibility with a vast array of functional groups, emphasizing its high efficiency in modifying complex drug molecules and natural products in exceedingly mild conditions during post-synthetic stages.

As featured in:



See Huan-Ming Huang *et al.*, *Green Chem.*, 2024, 26, 10434.