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See Matthew D. Lloyd et al., pp. 9463–9471. Image shows a NOS bridge observed in the crystal structure of *Clostridium* botulinum neurotoxin serotype A2 cell binding domain. Image reproduced by permission of Matthew D. Lloyd, Kyle S. Gregory and K. Ravi Acharya from *Chem*. *Commun.*, 2024, **60**, 9463.

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Fundamental questions Elemental answers

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Double carbonylation

Broad substrate scope



*

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