

SciVerse ScienceDirect



Volume 39, Issues 5-6, October/December 2011

Contents

Issues 5-6, October/December 2011

Abstracted/Indexed in SciVerse Scopus®. Full text available on SciVerse ScienceDirect®.

Special Section: Mechanistic Enzymology - Part I

S-Adenosylmethionine-dependent alkylation reactions: When are radical reactions used?

pp 161-170

Hening Lin

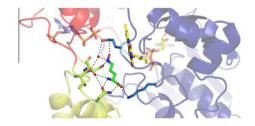
The logic behind Nature's choice of different chemistry in SAM-dependent alkylation reactions is analyzed

$$X-H$$
 + O_2C Me Me Me $Mucleophilic or radical mechanism? $ACP_{transfer}$ Ade $Ade$$

Mechanistic and structural studies of the N-hydroxylating flavoprotein monooxygenases

pp 171-177

Jose Olucha and Audrey L. Lamb*

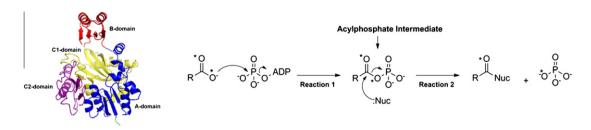


Mechanism for sulfur acquisition by the alkanesulfonate monooxygenase system

pp 178-184

The ATP-grasp enzymes pp 185–191

Maria V. Fawaz, Melissa E. Topper and Steven M. Firestine*



Protein kinase biochemistry and drug discovery

Phillip A. Schwartz and Brion W. Murray*

pp 192-210

