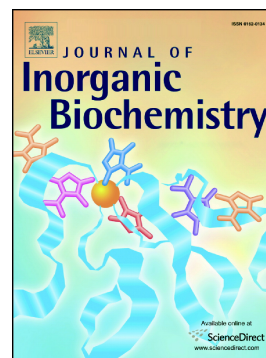


Accepted Manuscript

Structure of cytochrome P450 2B4 with an acetate ligand and an active site hydrogen bond network similar to oxyferrous P450cam

Yuting Yang, Weishu Bu, Sangchoul Im, Jennifer Meagher, Jeanne Stuckey, Lucy Waskell



PII: S0162-0134(17)30899-1
DOI: doi:[10.1016/j.jinorgbio.2018.04.015](https://doi.org/10.1016/j.jinorgbio.2018.04.015)
Reference: JIB 10482

To appear in: *Journal of Inorganic Biochemistry*

Received date: 20 December 2017

Revised date: 19 April 2018

Accepted date: 21 April 2018

Please cite this article as: Yuting Yang, Weishu Bu, Sangchoul Im, Jennifer Meagher, Jeanne Stuckey, Lucy Waskell, Structure of cytochrome P450 2B4 with an acetate ligand and an active site hydrogen bond network similar to oxyferrous P450cam. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jib(2017), doi:[10.1016/j.jinorgbio.2018.04.015](https://doi.org/10.1016/j.jinorgbio.2018.04.015)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Structure of cytochrome P450 2B4 with an acetate ligand and an active site
hydrogen bond network similar to oxyferrous P450cam**

Yuting Yang¹, Weishu Bu¹, Sangchoul Im¹, Jennifer Meagher², Jeanne Stuckey², and Lucy Waskell^{1*}

¹Department of Anesthesiology, University of Michigan and VA Medical Research Center,
2215 Fuller Rd, Ann Arbor, MI 48105

²Life Science Institute, University of Michigan, 210 Washtenaw Ave, Ann Arbor, MI 48109

*Corresponding author: Lucy Waskell, MD, PhD, Dept. of Anesthesiology, University of Michigan, 2215 Fuller Rd., Bldg. 31, Room 225, Ann Arbor, MI 48105, USA. Tel: (734)845-5858; E-mail: waskell@umich.edu.

Abbreviation

P450, cytochrome P450; P450_{cam}, cytochrome P450 camphor; 4-CPI, 4-(4-chloro-phenyl)imidazole; Cymal-5, 5-cyclohexyl-1-pentyl- β -D-maltoside; WT, wild type; H-bond, Hydrogen bond

Download English Version:

<https://daneshyari.com/en/article/7753675>

Download Persian Version:

<https://daneshyari.com/article/7753675>

[Daneshyari.com](https://daneshyari.com)