Dear Reviewer 3,

The manuscript "Chiral Bis(8-quinolyl)ethane-derived diimine: structure elucidation and catalytic performance in asymmetric synthesis of (S)-Warfarin" submitted to Catalysts (ID: catalysts-2128122) has been revised by the authors according to your comments. We are grateful to you for careful evaluation of our paper and useful suggestions. The comments and made changes are summarized below. All changes are marked up in the revised manuscript using the "Track Changes" function.

Comment from Reviewer 3: The adducts 3a–e were formed as inseparable mixtures of linear and cyclic tautomers. However, from the HPLC spectra, it seems that these compounds could be separated. How to explain?

Response to the comment: According to NMR spectra compounds 3a–e exist in solution ($CDCl_3$ or DMSO-d_6) as dynamic equilibrium mixture of linear and cyclic tautomers. However the signals of the tautomers in the HPLC picture are overlapped due to fast interconversion process. Therefore, isolation of individual tautomers is impossible. To address the reviewer's comment, we change the word "inseparable" for the phrase "dynamic equilibrium" in the paragraph above Figure 4 of the revised manuscript.

Comment from Reviewer 3: How were the absolute configurations of these adducts of the asymmetric Michael reaction determined?

Response to the comment: The phrase "The absolute *S* configuration of warfarin was established by the comparison of optical rotation angle with reported data $[\alpha]_D^{25}$ = - 21.7° (c 1, CH_2Cl_2) (lit.[15] for (*R*)-isomer : $[\alpha]_D^{25}$ = +24.0 (c 1, CH_2Cl_2, 94% *ee*))" has been added as footnote "e" to Table 1. The phrase "The absolute *S* configuration was assigned to products **3b-e** by analogy with Warfarin **3a**" was added to the paragraph above Figure 4.

Comment from Reviewer 3: In Supporting information (1. HRMS data for reaction mixture), the structure of salicylic aldehyde should be drawn out in the reversible chemical equilibrium.

Response to the comment: The structure of salicylic aldehyde was added to the reversible chemical equilibrium at the HRMS data section in Supporting information.

Comment from Reviewer 3: The catalytic mechanism should be proposed, if possible.

Response to the comment: Plausible transition state for the catalytic reaction in the presence of primary amine catalyst III and corresponding description have been added to the revised manuscript.

Taking into account that all reviewers' comments are addressed in the revised manuscript, we kindly ask you to make final decision on the acceptance of our contribution for publication in Catalysts.

Sincerely yours,

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