

**Serological cross-reaction between six Thiadiazine by indirect ELISA test and their anti-microbial activity.**

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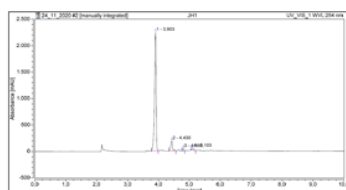
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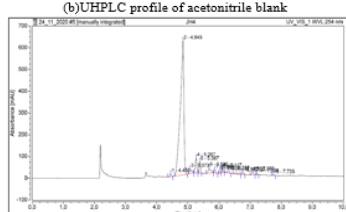
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**Supporting Information**

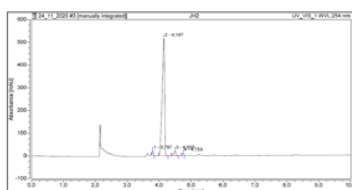
## Result of UHPLC



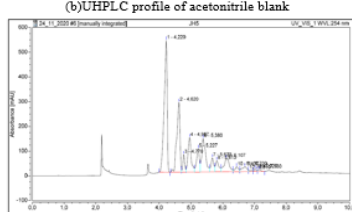
(a) UHPLC profile of JH1 compound, 2-(5-(6-[5-(Carboxymethyl)-2-thioxo-1,3,5-thiadiazinan-3-yl]butyl)-6-thioxo-1,3,5-thiadiazinan-3-yl)ethanoic acid.



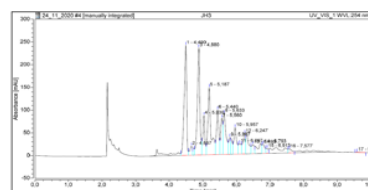
(b) UHPLC profile of acetonitrile blank



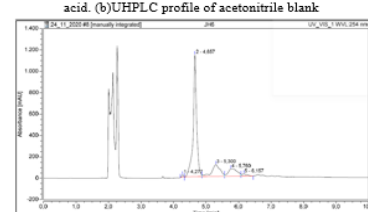
(a) UHPLC profile of JH2 compound, 2-(5-(6-[5-(carboxymethyl)-2-thioxo-1,3,5-thiadiazinan-3-yl]hexyl)-6-thioxo-1,3,5-thiadiazinan-3-yl)ethanoic acid.



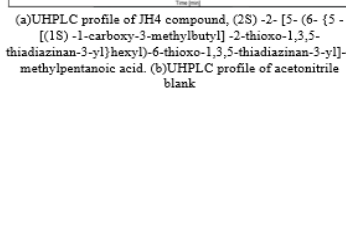
(b) UHPLC profile of acetonitrile blank



(a) UHPLC profile of JH3 compound, (2S)-2-[5-(6-[5-[(1S)-1-carboxy-3-methylbutyl]-2-thioxo-1,3,5-thiadiazin-3-yl]butyl)-6-thioxo-1,3,5-thiadiazinan-3-yl]-4-methylpentanoic acid.



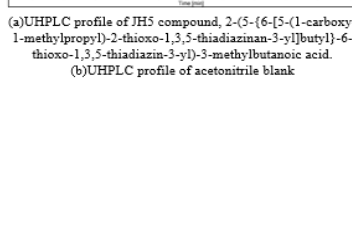
(b) UHPLC profile of acetonitrile blank



(a) UHPLC profile of JH4 compound, (2S)-2-[5-(6-[5-[(1S)-1-carboxy-3-methylbutyl]-2-thioxo-1,3,5-thiadiazinan-3-yl]hexyl)-6-thioxo-1,3,5-thiadiazinan-3-yl]-4-methylpentanoic acid.



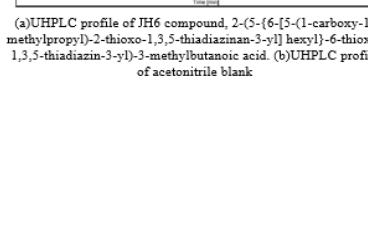
(b) UHPLC profile of acetonitrile blank



(a) UHPLC profile of JH5 compound, 2-(5-(6-[5-(1-carboxy-1-methylpropyl)-2-thioxo-1,3,5-thiadiazinan-3-yl]butyl)-6-thioxo-1,3,5-thiadiazinan-3-yl)-3-methylbutanoic acid.



(b) UHPLC profile of acetonitrile blank



(a) UHPLC profile of JH6 compound, 2-(5-(6-[5-(1-carboxy-1-methylpropyl)-2-thioxo-1,3,5-thiadiazinan-3-yl]hexyl)-6-thioxo-1,3,5-thiadiazinan-3-yl)-3-methylbutanoic acid.



(b) UHPLC profile of acetonitrile blank