**In vitro and In vivo Activity of 14-O-[(4,6-Diamino-pyrimidine-2-yl) thioacetyl] mutilin Against Methicillin-Resistant *Staphylococcus aureus***

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**Supplemental Data**

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**Figure S1.** IR, 1H-NMR and 13C-NMR Spectra of DPTM





Table S1. MIC values of DPTM and Tiamulin fumarate against MRSA strains.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Staina | SCCmecb | MIC (μg/mL) | Staina | SCCmecb | MIC (μg/mL) |
| DPTM | Tiamulin | DPTM | Tiamulin  |
| MRSA-21MRSA-23MRSA-24MRSA-32MRSA-33MRSA-38MRSA-39MRSA-40MRSA-44MRSA-45MRSA-47MRSA-48MRSA-51MRSA-53MRSA-54MRSA-55MRSA-57MRSA-59MRSA-60MRSA-61MRSA-64MRSA-67MRSA-68MRSA-70MRSA-71MRSA-72MRSA-73 | IIIIIIIVIVIVIIIIIIIIIIIIIIIIIVIVIVIIIIIIIIVIIIIIIIVIIIIIIII | 0.0625 0.06250.1250.1250.06250.06250.250.06250.06250.3130.1250.1250.250.06250.06250.1250.06250.06250.03130.06250.06250.06250.1250.250.06250.06250.125 | 0.25 0.1250. 50.250.1250.12510.1250.250.1250.50.2510.250.50.250.1250.250.1250.50.1250.250.250.50.1250.250.125 | MRSA-75MRSA-79MRSA-85MRSA-90MRSA-94MRSA-99MRSA-108MRSA-122MRSA-128MRSA-133MRSA-135MRSA-141MRSA-147MRSA-149MRSA-153MRSA-155MRSA-157MRSA-159MRSA-160MRSA-166MRSA-173MRSA-177MRSA-180MRSA-185MRSA-188MRSA-194MRSA-197 | IIIIIIIVIIIIIIIIIIVIVIIIIIIIIIIIIIIIIIIVIIIVIVIIIIIIIIIIIVIVIII | 0.25 0.06250.06250.1250.03130.06250.06250.06250.03130.1250.250.1250.06250.1250.06250.06250.06250.06250.06250.06250.1250.1250.250.06250.1250.06250.125 | 0.5 0.1250.250.250.1250.1250.250.250.1250.250.50.250.1250.50.50.250.250.50.50.250.250.510.1250.1250.1250.5 |

aStrains were collected from dairy farms located in Gansu province, China.

bStaphylococcal cassette chromosome mec types.