

# 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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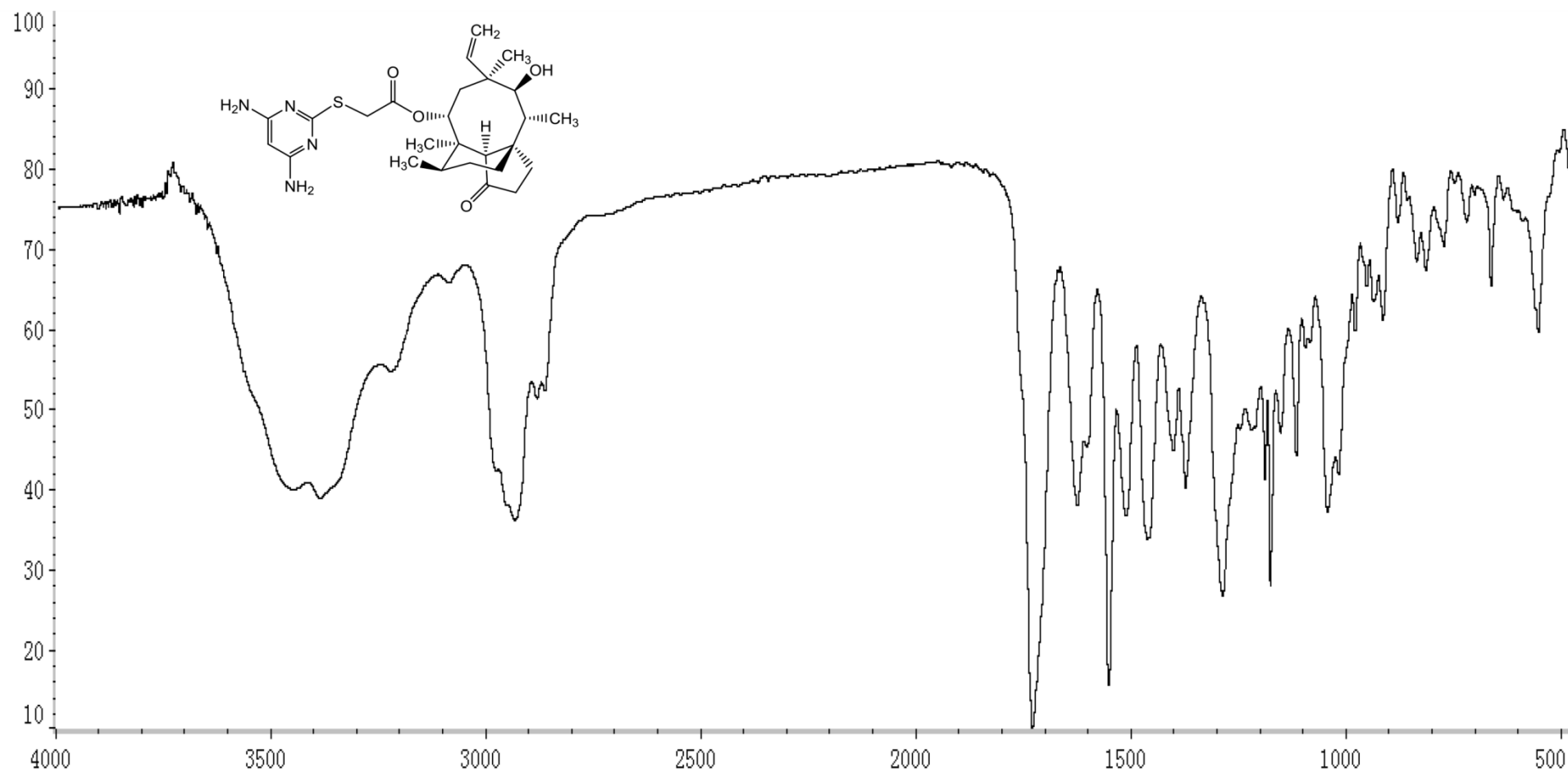
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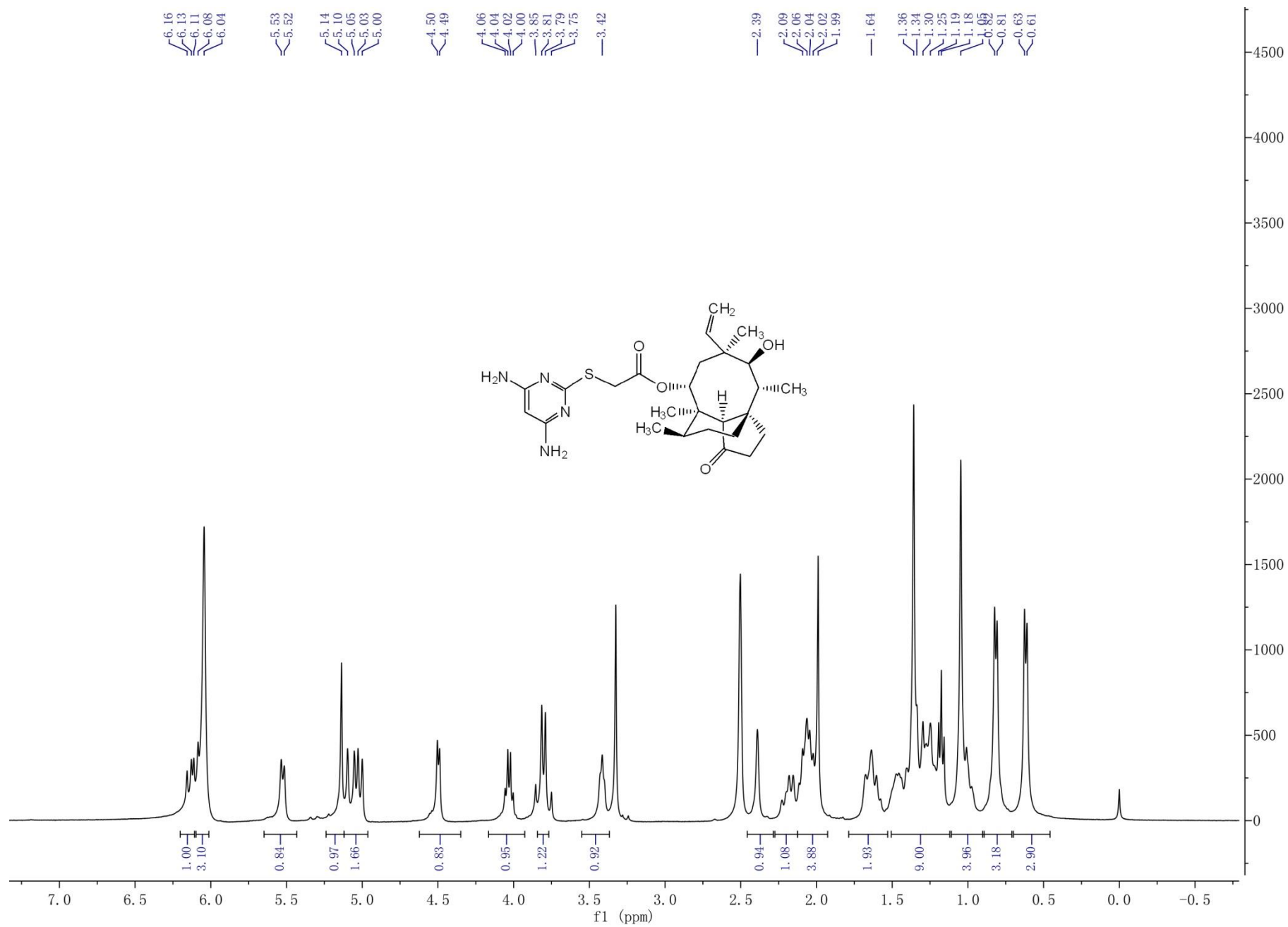
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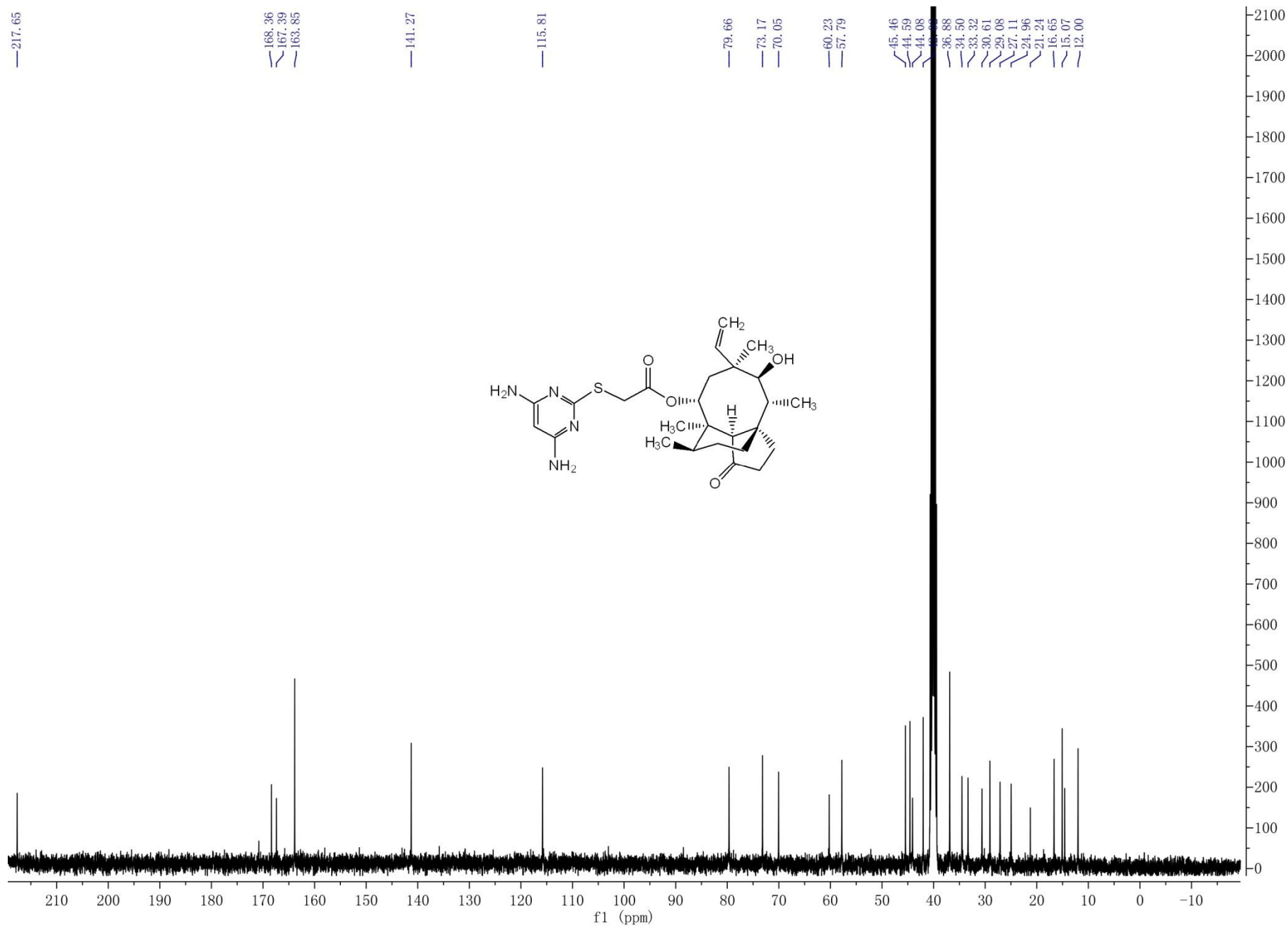
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**Figure S1.** IR,  $^1\text{H}$ -NMR and  $^{13}\text{C}$ -NMR Spectra of DPTM







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

Stain <sup>a</sup>	SCCmec <sup>b</sup>	MIC (µg/mL)		Stain <sup>a</sup>	SCCmec <sup>b</sup>	MIC (µg/mL)	
		DPTM	Tiamulin			DPTM	Tiamulin
MRSA-21	III	0.0625	0.25	MRSA-75	II	0.25	0.5
MRSA-23	III	0.0625	0.125	MRSA-79	II	0.0625	0.125
MRSA-24	IV	0.125	0.5	MRSA-85	II	0.0625	0.25
MRSA-32	IV	0.125	0.25	MRSA-90	IV	0.125	0.25
MRSA-33	IV	0.0625	0.125	MRSA-94	III	0.0313	0.125
MRSA-38	I	0.0625	0.125	MRSA-99	III	0.0625	0.125
MRSA-39	II	0.25	1	MRSA-108	II	0.0625	0.25
MRSA-40	I	0.0625	0.125	MRSA-122	I	0.0625	0.25
MRSA-44	I	0.0625	0.25	MRSA-128	IV	0.0313	0.125
MRSA-45	II	0.313	0.125	MRSA-133	IV	0.125	0.25
MRSA-47	III	0.125	0.5	MRSA-135	III	0.25	0.5
MRSA-48	II	0.125	0.25	MRSA-141	III	0.125	0.25
MRSA-51	II	0.25	1	MRSA-147	II	0.0625	0.125
MRSA-53	II	0.0625	0.25	MRSA-149	III	0.125	0.5
MRSA-54	IV	0.0625	0.5	MRSA-153	III	0.0625	0.5
MRSA-55	IV	0.125	0.25	MRSA-155	III	0.0625	0.25
MRSA-57	IV	0.0625	0.125	MRSA-157	IV	0.0625	0.25
MRSA-59	III	0.0625	0.25	MRSA-159	II	0.0625	0.5
MRSA-60	III	0.0313	0.125	MRSA-160	IV	0.0625	0.5
MRSA-61	I	0.0625	0.5	MRSA-166	IV	0.0625	0.25
MRSA-64	IV	0.0625	0.125	MRSA-173	II	0.125	0.25
MRSA-67	III	0.0625	0.25	MRSA-177	III	0.125	0.5
MRSA-68	III	0.125	0.25	MRSA-180	III	0.25	1
MRSA-70	IV	0.25	0.5	MRSA-185	II	0.0625	0.125
MRSA-71	III	0.0625	0.125	MRSA-188	IV	0.125	0.125
MRSA-72	III	0.0625	0.25	MRSA-194	IV	0.0625	0.125
MRSA-73	II	0.125	0.125	MRSA-197	III	0.125	0.5

<sup>a</sup>Strains were collected from dairy farms located in Gansu province, China.<sup>b</sup>Staphylococcal cassette chromosome mec types.