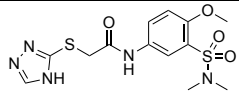
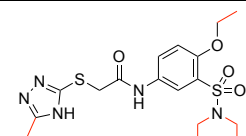
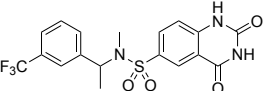
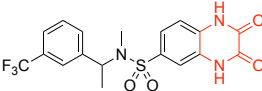
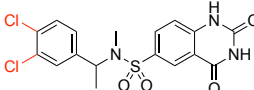
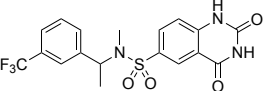
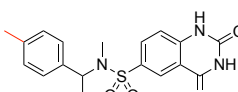
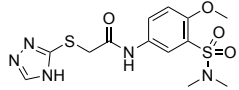
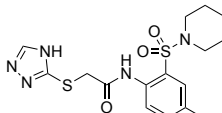
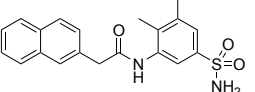
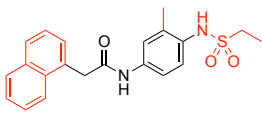
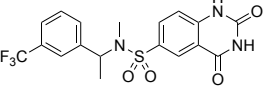
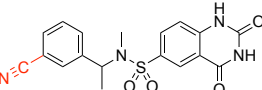


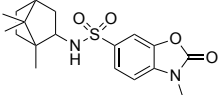
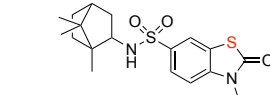
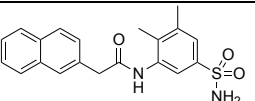
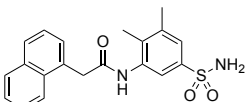
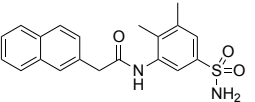
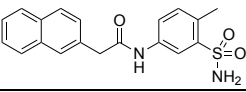
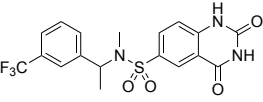
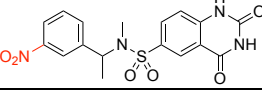
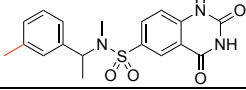
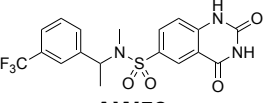
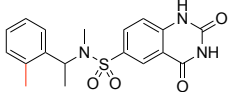
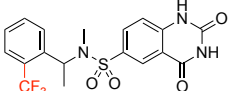
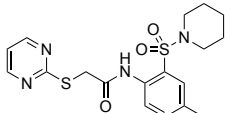
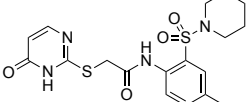
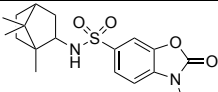
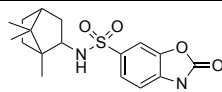
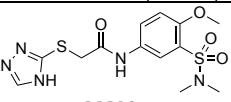
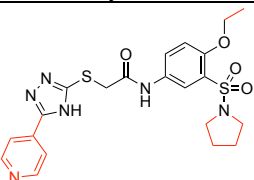
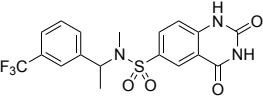
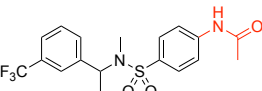
***P. aeruginosa* MurD inhibition data**

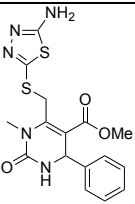
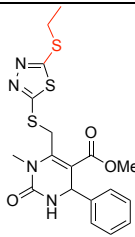
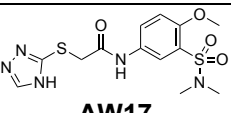
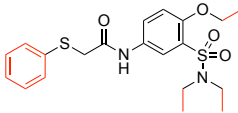
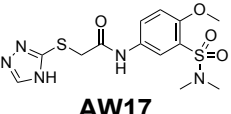
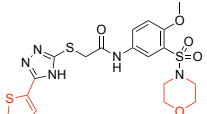
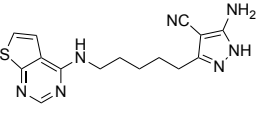
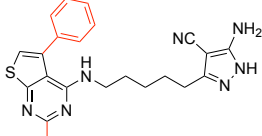
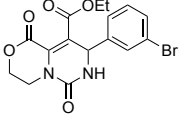
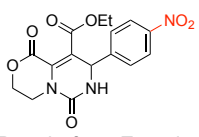
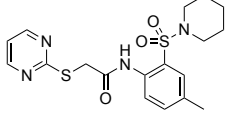
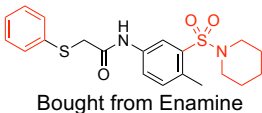
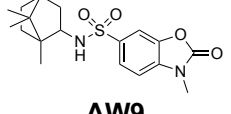
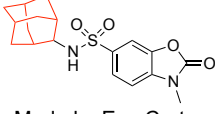
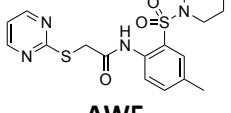
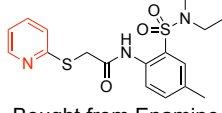
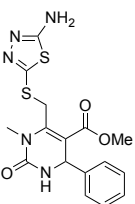
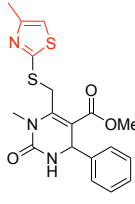
Data in blue, the compound did not impact upon the coupling system sufficiently to invalidate the assay with respect to estimation of MurD inhibition.

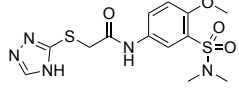
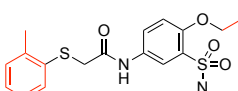
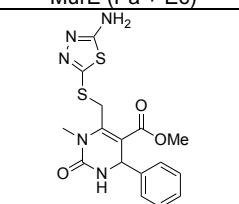
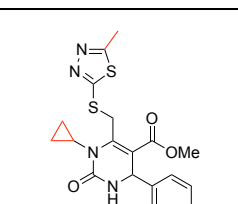
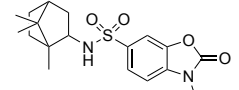
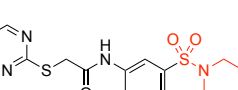
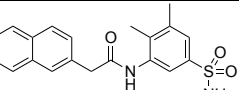
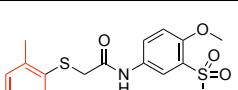
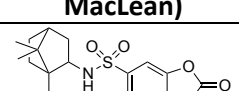
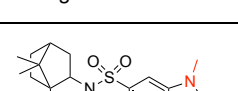
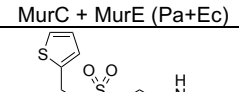
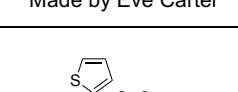
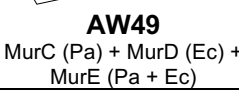
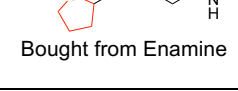
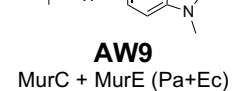
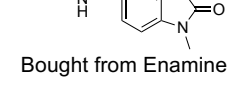
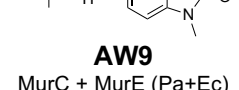
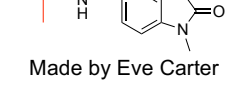
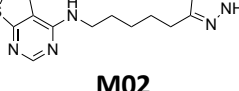
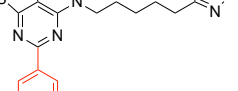
Data in light green, the compound was sufficiently active against the coupling system employed to invalidate the assay.

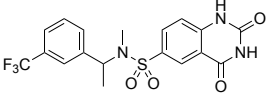
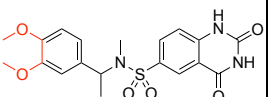
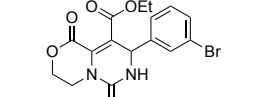
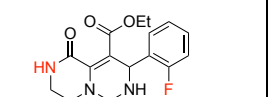
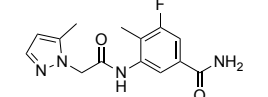
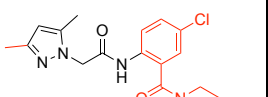
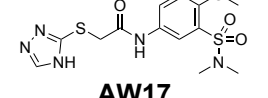
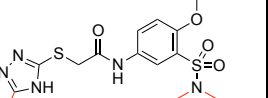
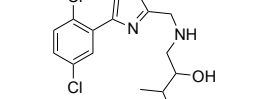
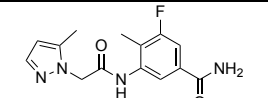
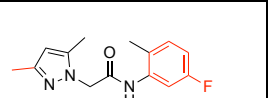
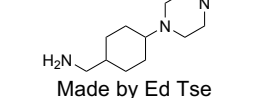
Will require re-assay in spectrophotometric methyl thioguanosine variant of the MurD assay.

Original Hit	Structure	Compound	Average % Inhibition	SD
 AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)	 Bought from Enamine	OSA_001145	108.87	15.09
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)	 Made by Yiwei Wang	OSA_001170	98.61	18.36
	 Made by Yiwei Wang	OSA_001165	95.01	9.05
		ADPCP	92.35	4.29
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)	 Made by Yiwei Wang	OSA_001164	89.39	9.79
 AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)	 Bought from Enamine	OSA_001143	89.25	0.66
 Compound 4 (Finlay MacLean)	 Bought from Enamine	OSA_001155	87.91	4.32
		ADPCP	81.86	1.74
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)	 Made by Yiwei Wang	OSA_001171	81.66	4.70

 AW9 MurC + MurE (Pa+Ec)	 Made by Eve Carter	OSA_001160	81.11	12.73
		ADPCP	79.46	1.48
 Compound 4 (Finlay MacLean)		OSA_001154	79.27	12.43
		ADPCP	78.28	4.97
 Compound 4 (Finlay MacLean)		OSA_001153	74.98	3.07
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)		OSA_001172	72.69	6.22
		OSA_001168	70.79	7.08
		OSA_001156	69.57	9.48
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)		OSA_001162	68.88	8.06
		OSA_001173	65.77	15.05
 AW5 MurC + MurE (Pa + Ec)		OSA_001140	65.64	5.29
 AW9 MurC + MurE (Pa+Ec)	 AW9 Made by Eve Carter	OSA_001167	64.39	11.95
 AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)	 Bought from Enamine	OSA_001147	60.43	2.60
 AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)		OSA_001169	54.74	6.51

 <p>AW8 MurC (Pa) + MurE (Ec)</p>	 <p>Bought from Enamine</p>	OSA_001134	49.07	2.18
 <p>AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)</p>	 <p>Bought from Enamine</p>	OSA_001150	48.25	8.67
 <p>AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)</p>	 <p>Bought from Enamine</p>	OSA_001148	47.26	3.72
 <p>M02 MurC + MurE</p>	 <p>Bought from Enamine</p>	OSA_001133	46.87	5.54
 <p>AW77 MurC (Pa) + MurE (Ec)</p>	 <p>Bought from Enamine</p>	OSA_001137	39.47	4.91
 <p>AW5 MurC + MurE (Pa + Ec)</p>	 <p>Bought from Enamine</p>	OSA_001144	38.85	8.03
 <p>AW9 MurC + MurE (Pa+Ec)</p>	 <p>Made by Eve Carter</p>	OSA_001159	38.16	1.09
 <p>AW5 MurC + MurE (Pa + Ec)</p>	 <p>Bought from Enamine</p>	OSA_001142	36.92	3.40
 <p>AW8 MurC (Pa) + MurE (Ec)</p>	 <p>Bought from Enamine</p>	OSA_001135	34.88	8.50

 AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)	 Bought from Enamine	OSA_001151	30.88	4.02
 AW8 MurC (Pa) + MurE (Ec)	 Bought from Enamine	OSA_001136	30.48	3.94
 AW9 MurC + MurE (Pa+Ec)	 Bought from Enamine	OSA_001141	30.23	13.03
 Compound 4 (Finlay MacLean)	 Bought from Enamine	OSA_001149	28.87	5.02
 AW9 MurC + MurE (Pa+Ec)	 Made by Eve Carter	OSA_001161	28.09	0.63
 AW49 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)	 Bought from Enamine	OSA_001152	27.78	5.11
 AW9 MurC + MurE (Pa+Ec)	 Bought from Enamine	OSA_001157	24.11	2.41
 AW9 MurC + MurE (Pa+Ec)	 Made by Eve Carter	OSA_001158	23.46	5.01
 M02 MurC + MurE	 Bought from Enamine	OSA_001132	22.67	2.11
 AW77 MurC (Pa) + MurE (Ec)	 Bought from Enamine	OSA_001138	21.75	8.64

 <p>AW53 MurC (Pa) + MurD (Ec) + MurE (Ec)</p>	 <p>Made by Yiwei Wang</p>	OSA_001166	10.83	0.60
 <p>AW77 MurC (Pa) + MurE (Ec)</p>	 <p>Bought from Enamine</p>	OSA_001139	8.48	6.43
 <p>L06 MurD + MurE + MurC</p>	 <p>Bought from Enamine</p>	OSA_001131	5.04	0.98
 <p>AW17 MurC (Pa) + MurD (Ec) + MurE (Pa + Ec)</p>	 <p>Bought from Enamine</p>	OSA_001146	3.92	6.54
 <p>Made by Ed Tse</p>		OSA_001113	2.17	3.36
		DMSO	0.00	4.45
		DMSO	0.00	6.21
		DMSO	-0.05	3.37
 <p>L06 MurD + MurE + MurC</p>	 <p>Bought from Enamine</p>	OSA_001130	-0.58	1.75
 <p>Made by Ed Tse</p>		OSA_001114	-0.80	5.03
		DMSO	-4.36	2.74