Supplemental Data

for

Activation of a silent phenazine biosynthetic gene cluster reveals a novel natural product and a new resistance mechanism against phenazines

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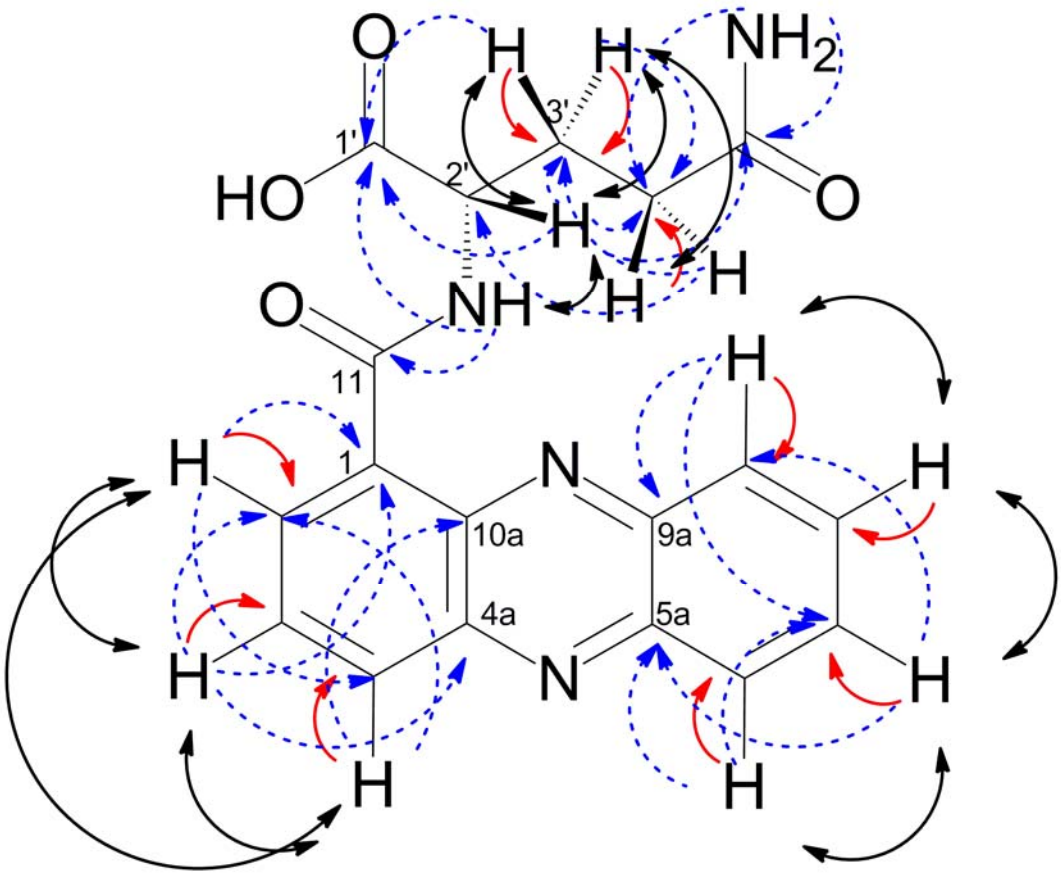

Fig. S1: Selected ^{1}H-^{1}H-COSY (↔) correlations from 2D NMR experiments for α-N-(phenazine-1-carbonyl)-L-glutamine (400 MHz, d_6-DMSO). HSQC (→) and HMBC (⇢) correlations from 2D NMR experiments for α-N-(phenazine-1-carbonyl)-L-glutamine (600 MHz, d_6-DMSO).

Tab. S1: Media for cultivation of Streptomyces strains (Flavia Marinelli, University of Insubria, Italy, personal communication)

Medium I	
Glucose	10 g
Glycerol	10 g
Starch	10 g
Corn Steep liquor 0.5%	5 g
Pepton from Casein	5 g
Yeast extract	2 g
Sodium chloride	1 g
Calcium carbonate	3 g
Distilled water	→ 1000 ml

Medium II	
Peptone	5 g
Soluble starch	20 g
Meat extract	2 g
Yeast extract	3 g
Soy-bean meal	2 g
Calcium carbonate	1 g
Distilled water	→ 1000 ml

Medium III	
Soy-bean meal	15 g
Calcium carbonate	5 g
Glycerol	30 ml
Sodium chloride	2 g
Distilled water	→ 1000 ml

Medium IV	
Calcium carbonate	0.1 g
Glycerol	20 ml
Glycine	2.5 g
Sodium chloride	1 g
Potassium dihydrogen phosphate	1 g
Ferrous sulfate	0.1 g
Magnesium sulfate	0.1 g
Distilled water	→ 1000 ml

Medium V	
Peptone	2 g
Yeast extract	4 g
Malt extract	10 g
Glucose	10 g
Glycerol	5 ml
Magnesium chloride	2 g
Distilled water	→ 1000 ml

Medium VI	
Peptone	5 g
Meat extract	5 g
Yeast extract	5 g
Glucose	20 g
Hydrolyzed casein	3 g
Sodium chloride	1.5 g
Distilled water	→ 1000 ml

Medium VII

Dextrose	20 g
Yeast extract	2 g
Soy-bean meal	8 g
Calcium carbonate	4 g
Sodium chloride	1 g
Distilled water	→ 1000 ml

Medium VIII

Yeast extract	4 g
Malt extract	10 g
Glucose	4 g
Distilled water	→ 1000 ml

Medium IX

Soluble starch	20 g
Meat extract	2 g
Yeast extract	2 g
Glucose	10 g
Calcium carbonate	5 g
Hydrolyzed casein	4 g
Distilled water	→ 1000 ml