

Table S4. The core sequences of piricyclamides in the *Microcystis* strains studied with calculated monoisotopic mass of corresponding protonated ions and detected variants. Number of nitrogen and sulphur atoms solved from ¹⁵N- and ³⁴S-labelling experiments is in parenthesis.

		Monoisotopic <i>m/z</i> of [M+H] ⁺							
		Calculated	Detected						
<i>Microcystis</i> strain	Core sequence	Unmodified	Unmodified	Disulfide bridge	Prenylated	Geranylated	MetO	¹⁵ N	³⁴ S
PCC7005	MSGVDYYNP	1027					1163	1179	1173 (10)
	NEFMQTGSYSGP	1299					1435	1451	1449 (14)
	TFCDLTKQCYP	1371		1369					1383 (14)
	WILLADGTRPKNAP	1533	1533						1553 (20)
Izancya 36, 41	TLGCMNGTERCLGLP	1546		1544				1560	1563 (19)
	DWGTFCVQEDGEGNCKEWEVVP	2573							1550 (2)
Izancya 42	YSNVLPP	771							
	FAIFLLLP	915	915						923 (8)
	ILGEGEGWNYNP	1330			1398				1413 (15)
SYKE 764	SQWGWRLSDP	1270	1270						1287 (17)
	ILGEGEGWNYNP	1330							
	GWGTFCVGEDGDGNCEEWYELP	2445							
SYKE 864	GTHLYTIP	984	984						995 (11)
	TFCDLTKQCYP (insert)	1371							
	DWGTFCVQEDGEGNCKEWEYELP	2587							
	Unknown	1068	1068		1136				1079, 1147 (11)
NIES 843	APLWDLVRWGAP	1362							
	TFCDLTKQCYP	1371							
	DWGTFCVQEDGEGNCKEWEYELP	2587							