

Dichlorfluorescein C₂₀H₁₀Cl₂O₅

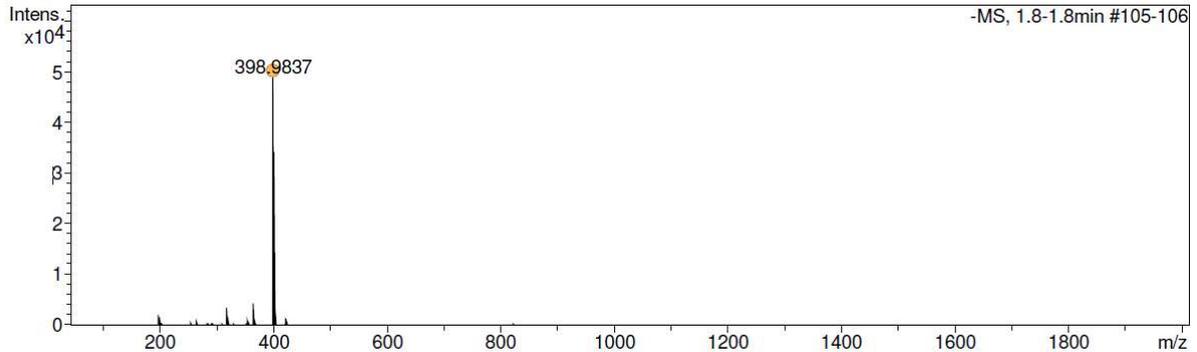
Gemessen im negativen Modus:

[M-H]⁻ [C₂₀H₉Cl₂O₅]⁻ exakte Masse m/z= 398.9833

10ppm bedeutet bei m/z 400 $400 \cdot (10/10^6) = 0.0040$ m/z

5ppm bedeutet bei m/z 400 $400 \cdot (5/10^6) = 0.0020$ m/z

1ppm bedeutet bei m/z 400 $400 \cdot (1/10^6) = 0.0004$ m/z



Massengenauigkeit 10ppm -> 17 Vorschläge

Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	# mSigma	Score	rdb	e ⁻ Conf	N-Rule
398.9837	1	C ₉ H ₉ Cl ₂ N ₆ O ₈	398.9864	6.9	29.0	1	30.36	7.5	even	ok
	2	C ₈ H ₁₃ Cl ₂ N ₂ O ₁₂	398.9851	3.5	35.2	2	73.77	2.5	even	ok
	3	C ₁₆ H ₅ Cl ₂ N ₆ O ₃	398.9806	-7.8	35.5	3	18.13	16.5	even	ok
	4	C ₂₀ H ₉ Cl ₂ O ₅	398.9833	-1.1	44.1	4	100.00	15.5	even	ok
	5	C ₂₁ H ₅ Cl ₂ N ₄ O	398.9846	2.3	53.2	5	59.89	20.5	even	ok
	6	C ₁₄ H ₈ ClN ₂ O ₁₀	398.9873	9.0	158.2	6	0.03	11.5	even	ok
	7	C ₂₁ H ₄ ClN ₂ O ₅	398.9814	-5.7	159.9	7	0.09	20.5	even	ok
	8	C ₈ H ₁₂ ClO ₁₆	398.9819	-4.4	160.0	8	0.14	2.5	even	ok
	9	C ₉ H ₈ ClN ₄ O ₁₂	398.9833	-1.0	160.7	9	0.29	7.5	even	ok
	10	C ₁₀ H ₄ ClN ₈ O ₈	398.9846	2.3	162.0	10	0.21	12.5	even	ok
	11	C ₂₆ H ₄ ClO ₃	398.9854	4.4	162.6	11	0.12	24.5	even	ok
	12	C ₂₂ ClN ₆ O	398.9828	-2.3	163.7	12	0.18	25.5	even	ok
	13	C ₁₁ ClN ₁₂ O ₄	398.9859	5.7	180.7	13	0.02	17.5	even	ok
	14	C ₁₄ H ₇ O ₁₄	398.9841	1.1	381.4	14	0.00	11.5	even	ok
	15	C ₉ H ₇ N ₂ O ₁₆	398.9801	-9.0	383.3	15	0.00	7.5	even	ok
	16	C ₁₅ H ₃ N ₄ O ₁₀	398.9855	4.5	384.2	16	0.00	16.5	even	ok
	17	C ₁₀ H ₃ N ₆ O ₁₂	398.9814	-5.6	385.7	17	0.00	12.5	even	ok

Massengenauigkeit 5ppm -> 7 Vorschläge

Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	# mSigma	Score	rdb	e ⁻ Conf	N-Rule
398.9837	1	C ₈ H ₁₃ Cl ₂ N ₂ O ₁₂	398.9851	3.5	35.2	1	73.77	2.5	even	ok
	2	C ₂₀ H ₉ Cl ₂ O ₅	398.9833	-1.1	44.1	2	100.00	15.5	even	ok
	3	C ₂₁ H ₅ Cl ₂ N ₄ O	398.9846	2.3	53.2	3	59.89	20.5	even	ok
	4	C ₈ H ₁₂ ClO ₁₆	398.9819	-4.4	160.0	4	0.14	2.5	even	ok
	5	C ₉ H ₈ ClN ₄ O ₁₂	398.9833	-1.0	160.7	5	0.29	7.5	even	ok
	6	C ₁₀ H ₄ ClN ₈ O ₈	398.9846	2.3	162.0	6	0.21	12.5	even	ok
	7	C ₂₆ H ₄ ClO ₃	398.9854	4.4	162.6	7	0.12	24.5	even	ok
	8	C ₂₂ ClN ₆ O	398.9828	-2.3	163.7	8	0.18	25.5	even	ok
	9	C ₁₄ H ₇ O ₁₄	398.9841	1.1	381.4	9	0.00	11.5	even	ok
	10	C ₁₅ H ₃ N ₄ O ₁₀	398.9855	4.5	384.2	10	0.00	16.5	even	ok

Massengenauigkeit 1ppm -> 2 Vorschläge

Durch Vergleich der Isotopenmuster ist die eindeutige Bestimmung der Summenformel des gesuchten Verbindung möglich! (Bei einer Massengenauigkeit von 1ppm!)

Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	# mSigma	Score	rdb	e ⁻ Conf	N-Rule
398.9837	1	C ₂₀ H ₉ Cl ₂ O ₅	398.9833	-1.1	44.1	1	100.00	15.5	even	ok
	2	C ₉ H ₈ ClN ₄ O ₁₂	398.9833	-1.0	160.7	2	0.29	7.5	even	ok

Vergleich der Isotopenmuster

