

Supporting Information 3

Structure, ID and Characterizations of Selected “Click” Products

Included

- Table of Summary
- LCMS of selected “click” products
- For NMR, see **Supporting Information 1**

Supplementary Table 2

Summary of Characterizations of "Click" Products					
#	ID of "Click" Product	Azide Used	LCMS		¹ H NMR (Scaled up and purified)
			Est % Purity*	Obs MW	
1	A1-2C-W2	A1-2C	>50 %	456.101	-
2	A2-2C-W2	A2-2C	>95 %	456.104	-
3	A3-2C-W2	A3-2C	-	-	-
4	A4-2C-W2	A4-2C	> 70 %	474.101	-
5	A5-2C-W2	A5-2C	>95 %	470.127	Yes
6	A6-2C-W2	A6-2C	>95 %	470.125	Yes
7	A7-2C-W2	A7-2C	-	-	-
8	A8-2C-W2	A8-2C	>95 %	472.082	-
9	A9-2C-W2	A9-2C	>90 %	486.098	-
10	A10-2C-W2	A10-2C	-	-	-
11	A11-2C-W2	A11-2C	>90%	502.096	-
12	A12-2C-W2	A12-2C	>90 %	482.154	-
13	B1-2C-W2	B1-2C	>95 %	530.15	-
14	B2-2C-W2	B2-2C	>95 %	498.148	-
15	B3-2C-W2	B3-2C	>95 %	482.145	-
16	B4-2C-W2	B4-2C	>95 %	468.129	-
17	B5-2C-W2	B5-2C	>95 %	528.159	-
18	B6-2C-W2	B6-2C	>95 %	496.163	-
19	B7-2C-W2	B7-2C	>60 %	484.104	Yes
20	B8-2C-W2	B8-2C	>95 %	522.101	Yes
21	B9-2C-W2	B9-2C	>95 %	468.136	Yes
22	B10-2C-W2	B10-2C	>95 %	498.147	Yes
23	B11-2C-W2	B11-2C	>90 %	530.154	Yes
24	B12-2C-W2	B12-2C	>95 %	468.137	-
25	C1-2C-W2	C1-2C	>95 %	524.193	-
26	C2-2C-W2	C2-2C	>50 %	564.11	-
27	C3-2C-W2	C3-2C	>50 %	522.106	-
28	C4-2C-W2	C4-2C	>95 %	466.151	-
29	C5-2C-W2	C5-2C	>95 %	466.157	-
30	C6-2C-W2	C6-2C	>95 %	494.189	-
31	C7-2C-W2	C7-2C	>90 %	466.158	-
32	C8-2C-W2	C8-2C	>95 %	508.2	Yes
33	C9-2C-W2	C9-2C	>90 %	510.143	-
34	C10-2C-W2	C10-2C	>90 %	510.14	-
35	C11-2C-W2	C11-2C	-	-	-
36	C12-2C-W2	C12-2C	-	-	-
37	D1-2C-W2	D1-2C	-	-	-
38	D2-2C-W2	D2-2C	-	-	-
39	D3-2C-W2	D3-2C	-	-	-
40	D4-2C-W2	D4-2C	>95 %	502.155	-
41	A1-4C-W2	A1-4C	>95 %	484.149	-
42	A2-4C-W2	A2-4C	>95 %	484.146	-
43	A3-4C-W2	A3-4C	>95 %	502.138	-
44	A4-4C-W2	A4-4C	>95 %	502.137	-
45	A5-4C-W2	A5-4C	>95 %	498.162	-
46	A6-4C-W2	A6-4C	>95 %	498.163	-
47	A7-4C-W2	A7-4C	>60 %	534.084	-

Supplementary Table 2

48	A8-4C-W2	A8-4C	>95 %	500.116	-
49	A9-4CW2	A9-4C	>95 %	514.138	-
50	A10-4CW2	A10-4C	>60 %	534.084	-
51	A11-4C-W2	A11-4C	>95 %	508.124	-
52	A12-4C-W2	A12-4C	>95 %	510.177	-
53	B1-4C-W2	B1-4C	-	-	-
54	B2-4C-W2	B2-4C	>95 %	526.176	-
55	B3-4C-W2	B3-4C	>95 %	510.184	-
56	B4-4C-W2	B4-4C	>95 %	496.171	-
57	B5-4C-W2	B5-4C	>95 %	556.186	-
58	B6-4C-W2	B6-4C	>95 %	524.202	-
59	B7-4C-W2	B7-4C	>95 %	512.144	-
60	B8-4C-W2	B8-4C	>95 %	550.14	-
61	B9-4C-W2	B9-4C	>95 %	496.165	-
62	B10-4C-W2	B10-4C	>95 %	526.18	-
63	B11-4C-W2	B11-4C	>95 %	558.18	-
64	B12-4C-W2	B12-4C	>95 %	496.166	-
65	C1-4C-W2	C1-4C	>95 %	552.229	-
66	C2-4C-W2	C2-4C	>95 %	592.145	-
67	C3-4C-W2	C3-4C	-	-	-
68	C4-4C-W2	C4-4C	>95 %	494.188	-
69	C5-4C-W2	C5-4C	-	-	-
70	C6-4C-W2	C6-4C	-	-	-
71	C7-4C-W2	C7-4C	-	-	-
72	C8-4C-W2	C8-4C	-	-	-
73	C9-4C-W2	C9-4C	-	-	-
74	C10-4C-W2	C10-4C	-	-	-
75	C11-4C-W2	C11-4C	-	-	-
76	C12-4C-W2	C12-4C	-	-	-
77	D1-4C-W2	D1-4C	-	-	-
78	D2-4C-W2	D2-4C	-	-	-
79	D3-4C-W2	D3-4C	-	-	-
80	D4-4C-W2	D4-4C	-	-	-
81	D5-4C-W2	D5-4C	-	-	-
82	D6-4C-W2	D6-4C	-	-	-
83	D7-4C-W2	D7-4C	-	-	-
84	A1-5C-W2	A1-5C	-	-	-
85	A2-5C-W2	A2-5C	>95 %	498.154	-
86	A3-5C-W2	A3-5C	>50 %	516.147	-
87	A4-5C-W2	A4-5C	>80 %	516.148	-
88	A5-5C-W2	A5-5C	>90 %	512.169	-
89	A6-5C-W2	A6-5C	-	-	-
90	A7-5C-W2	A7-5C	>90 %	548.086	-
91	A8-5C-W2	A8-5C	-	-	-
92	A9-5C-W2	A9-5C	> 80 %	528.141	-
93	A10-5C-W2	A10-5C	>95 %	548.082	-
94	A11-5C-W2	A11-5C	-	-	-
95	A12-5C-W2	A12-5C	-	-	-
96	B1-5C-W2	B1-5C	-	-	-
97	B2-5C-W2	B2-5C	-	-	-
98	B3-5C-W2	B3-5C	-	-	-
99	B4-5C-W2	B4-5C	-	-	-

Supplementary Table 2

100	B5-5C-W2	B5-5C	-	-	-
101	B6-5C-W2	B6-5C	-	-	-
102	B7-5C-W2	B7-5C	-	-	-
103	B8-5C-W2	B8-5C	-	-	-
104	B9-5C-W2	B9-5C	-	-	-
105	B10-5C-W2	B10-5C	-	-	-
106	B11-5C-W2	B11-5C	-	-	-
107	B12-5C-W2	B12-5C	-	-	-
108	C1-5C-W2	C1-5C	-	-	-
109	C2-5C-W2	C2-5C	-	-	-
110	C3-5C-W2	C3-5C	-	-	-
111	C4-5C-W2	C4-5C	-	-	-
112	C5-5C-W2	C5-5C	-	-	-
113	C6-5C-W2	C6-5C	-	-	-
114	C7-5C-W2	C7-5C	-	-	-
115	C8-5C-W2	C8-5C	-	-	-
116	C9-5C-W2	C9-5C	-	-	-
117	C10-5C-W2	C10-5C	-	-	-
118	C11-5C-W2-W2	C11-5C	-	-	-
119	C12-5C-W2	C12-5C	-	-	-
120	D1-5C-W2	D1-5C	-	-	-
121	D2-5C-W2	D2-5C	-	-	-
122	D3-5C-W2	D3-5C	-	-	-
123	D4-5C-W2	D4-5C	-	-	-
124	D5-5C-W2	D5-5C	-	-	-
125	D8-5C-W2	D8-5C	-	-	-
126	D9-5C-W2	D9-5C	-	-	-
127	D10-5C-W2	D10-5C	-	-	-
128	A1-6C-W2	A1-6C	-	-	-
129	A2-6C-W2	A2-6C	>95 %	512.171	-
130	A3-6C-W2	A3-6C	>95 %	530.163	-
131	A4-6C-W2	A4-6C	>95 %	530.163	-
132	A5-6C-W2	A5-6C	>95 %	526.192	-
133	A6-6C-W2	A6-6C	>80 %	562.099	-
134	A7-6C-W2	A7-6C	>60 %	562.102	-
135	A8-6C-W2	A8-6C	>90 %	528.145	-
136	A9-6C-W2	A9-6C	>50 %	542.158	-
137	A10-6C-W2	A10-6C	> 70 %	562.108	-
138	A11-6C-W2	A11-6C	>95 %	558.154	-
139	A12-6C-W2	A12-6C	>95 %	538.209	-
140	B1-6C-W2	B1-6C	-	-	-
141	B2-6C-W2	B2-6C	-	-	-
142	B3-6C-W2	B3-6C	-	-	-
143	B4-6C-W2	B4-6C	-	-	-
144	B5-6C-W2	B5-6C	-	-	-
145	B6-6C-W2	B6-6C	-	-	-
146	B7-6C-W2	B7-6C	-	-	-
147	B8-6C-W2	B8-6C	-	-	-
148	B9-6C-W2	B9-6C	-	-	-
149	B10-6C-W2	B10-6C	-	-	-
150	B11-6C-W2	B11-6C	-	-	-
151	B12-6C-W2	B12-6C	-	-	-

Supplementary Table 2

152	C1-6C-W2	C1-6C	-	-	-
153	C2-6C-W2	C2-6C	-	-	-
154	C3-6C-W2	C3-6C	-	-	-
155	C4-6C-W2	C4-6C	-	-	-
156	C5-6C-W2	C5-6C	-	-	-
157	C6-6C-W2	C6-6C	-	-	-
158	C7-6C-W2	C7-6C	-	-	-
159	C8-6C-W2	C8-6C	-	-	-
160	C9-6C-W2	C9-6C	-	-	-
161	C10-6C-W2	C10-6C	-	-	-
162	C11-6C-W2	C11-6C	-	-	-
163	C12-6C-W2	C12-6C	-	-	-
164	D1-6C-W2	D1-6C	-	-	-
165	D2-6C-W2	D2-6C	-	-	-
166	D3-6C-W2	D3-6C	-	-	-
167	D4-6C-W2	D4-6C	-	-	-
168	E1-2C-W2	E1-2C	-	-	-
169	E2-2C-W2	E2-2C	-	-	-
170	E3-2C-W2	E3-2C	-	-	-
171	E4-2C-W2	E4-2C	-	-	-
172	E5-2C-W2	E5-2C	-	-	-
173	E6-2C-W2	E6-2C	-	-	-
174	E7-2C-W2	E7-2C	-	-	-
175	E8-2C-W2	E8-2C	-	-	-
176	E9-2C-W2	E9-2C	-	-	-
177	E10-2C-W2	E10-2C	-	-	-
178	E11-2C-W2	E11-2C	-	-	-
179	E12-2C-W2	E12-2C	-	-	-
180	F1-2C-W2	F1-2C	-	-	-
181	F2-2C-W2	F2-2C	-	-	-
182	F3-2C-W2	F3-2C	-	-	-
183	F4-2C-W2	F4-2C	-	-	-
184	F5-2C-W2	F5-2C	-	-	-
185	F6-2C-W2	F6-2C	-	-	-
186	F7-2C-W2	F7-2C	-	-	-
187	F8-2C-W2	F8-2C	-	-	-
188	F9-2C-W2	F9-2C	-	-	-
189	F10-2C-W2	F10-2C	-	-	-
190	F11-2C-W2	F11-2C	-	-	-
191	F12-2C-W2	F12-2C	-	-	-
192	G1-2C-W2	G1-2C	-	-	-
193	G2-2C-W2	G2-2C	-	-	-
194	G3-2C-W2	G3-2C	-	-	-
195	G4-2C-W2	G4-2C	-	-	-
196	G5-2C-W2	G5-2C	-	-	-
197	G6-2C-W2	G6-2C	-	-	-
198	G7-2C-W2	G7-2C	-	-	-
199	G8-2C-W2	G8-2C	-	-	-
200	G9-2C-W2	G9-2C	-	-	-
201	G10-2C-W2	G10-2C	-	-	-
202	H1-2C-W2	H1-2C	-	-	-
203	H1-4C-W2	H1-4C	-	-	-

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204	H1-5C-W2	H1-5C	-	-	-
205	H1-6C-W2	H1-6C	-	-	-
206	I1-2C-W2	I1-2C	>95 %	530.103	-
207	I2-2C-W2	I2-2C	>95 %	564.13	-
208	I3-2C-W2	I3-2C	>95 %	522.059	-
209	I4-2C-W2	I4-2C	>95 %	528.014	-
210	I5-2C-W2	I5-2C	>95 %	502.113	-
211	I6-2C-W2	I6-2C	>95 %	524.078	-
212	I7-2C-W2	I7-2C	>95 %	524.082	-
213	I8-2C-W2	I8-2C	>95 %	516.129	-
214	I9-2C-W2	I9-2C	>95 %	506.091	-
215	I10-2C-W2	I10-2C	-	-	-
216	I11-2C-W2	I11-2C	-	-	-
217	I12-2C-W2	I12-2C	-	-	-
218	J1-2C-W2	J1-2C	-	-	-
219	J2-2C-W2	J2-2C	-	-	-
220	J3-2C-W2	J3-2C	-	-	-
221	J4-2C-W2	J4-2C	-	-	-
222	J5-2C-W2	J5-2C	-	-	-
223	J6-2C-W2	J6-2C	-	-	-
224	J7-2C-W2	J7-2C	-	-	-
225	J8-2C-W2	J8-2C	-	-	-
226	J9-2C-W2	J9-2C	-	-	-
227	J10-2C-W2	J10-2C	-	-	-
228	J11-2C-W2	J11-2C	-	-	-
229	J12-2C-W2	J12-2C	-	-	-
230	K1-2C-W2	K1-2C	-	-	-
231	I1-3C-W2	I1-3C	-	-	-
232	I2-3C-W2	I2-3C	-	-	-
233	I3-3C-W2	I3-3C	-	-	-
234	I4-3C-W2	I4-3C	-	-	-
235	I5-3C-W2	I5-3C	-	-	-
236	I6-3C-W2	I6-3C	-	-	-
237	I7-3C-W2	I7-3C	-	-	-
238	I8-3C-W2	I8-3C	-	-	-
239	I9-3C-W2	I9-3C	-	-	-
240	I10-3C-W2	I10-3C	-	-	-
241	I11-3C-W2	I11-3C	-	-	-
242	I12-3C-W2	I12-3C	-	-	-
243	J1-3C-W2	J1-3C	-	-	-
244	J2-3C-W2	J2-3C	-	-	-
245	J3-3C-W2	J3-3C	-	-	-
246	J4-3C-W2	J4-3C	-	-	-
247	J5-3C-W2	J5-3C	-	-	-
248	J6-3C-W2	J6-3C	-	-	-
249	J7-3C-W2	J7-3C	-	-	-
250	J8-3C-W2	J8-3C	-	-	-
251	J9-3C-W2	J9-3C	-	-	-
252	J10-3C-W2	J10-3C	-	-	-
253	J11-3C-W2	J11-3C	-	-	-
254	I1-4C-W2	I1-4C	-	-	-
255	I2-4C-W2	I2-4C	-	-	-

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256	I3-4C-W2	I3-4C	-	-	-
257	I4-4C-W2	I4-4C	-	-	-
258	I5-4C-W2	I5-4C	-	-	-
259	I6-4C-W2	I6-4C	-	-	-
260	I7-4C-W2	I7-4C	-	-	-
261	I8-4C-W2	I8-4C	-	-	-
262	I9-4C-W2	I9-4C	-	-	-
263	I10-4C-W2	I10-4C	-	-	-
264	I11-4C-W2	I11-4C	-	-	-
265	I12-4C-W2	I12-4C	-	-	-
266	J1-4C-W2	J1-4C	-	-	-
267	J2-4C-W2	J2-4C	-	-	-
268	J3-4C-W2	J3-4C	-	-	-
269	J4-4C-W2	J4-4C	-	-	-
270	J5-4C-W2	J5-4C	-	-	-
271	J6-4C-W2	J6-4C	-	-	-
272	J7-4C-W2	J7-4C	-	-	-
273	J8-4C-W2	J8-4C	-	-	-
274	J9-4C-W2	J9-4C	-	-	-
275	J10-4C-W2	J10-4C	-	-	-
276	J11-4C-W2	J11-4C	-	-	-
277	I1-5C-W2	I1-5C	>95 %	572.154	-
278	I2-5C-W2	I2-5C	>95 %	606.174	-
279	I3-5C-W2	I3-5C	>95 %	564.107	-
280	I4-5C-W2	I4-5C	>95 %	570.064	-
281	I5-5C-W2	I5-5C	>95 %	544.16	-
282	I6-5C-W2	I6-5C	>95 %	566.128	-
283	I7-5C-W2	I7-5C	>95 %	566.128	-
284	I8-5C-W2	I8-5C	>95 %	558.175	-
285	I9-5C-W2	I9-5C	>95 %	548.137	-
286	I10-5C-W2	I10-5C	-	-	-
287	I11-5C-W2	I11-5C	-	-	-
288	I12-5C-W2	I12-5C	-	-	-
289	J1-5C-W2	J1-5C	-	-	-
290	J2-5C-W2	J2-5C	-	-	-
291	J3-5C-W2	J3-5C	-	-	-
292	J4-5C-W2	J4-5C	-	-	-
293	J5-5C-W2	J5-5C	-	-	-
294	J6-5C-W2	J6-5C	-	-	-
295	J7-5C-W2	J7-5C	-	-	-
296	J8-5C-W2	J8-5C	-	-	-
297	J9-5C-W2	J9-5C	-	-	-
298	J10-5C-W2	J10-5C	-	-	-
299	J11-5C-W2	J11-5C	-	-	-
300	I1-6C-W2	I1-6C	-	-	-
301	I2-6C-W2	I2-6C	-	-	-
302	I3-6C-W2	I3-6C	-	-	-
303	I4-6C-W2	I4-6C	-	-	-
304	I5-6C-W2	I5-6C	-	-	-
305	I6-6C-W2	I6-6C	-	-	-
306	I7-6C-W2	I7-6C	-	-	-
307	I8-6C-W2	I8-6C	-	-	-

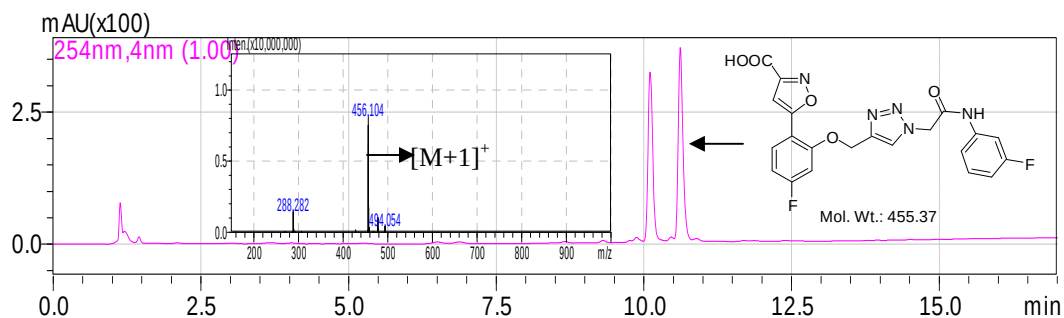
Supplementary Table 2

308	I9-6C-W2	I9-6C	-	-	-
309	I10-6C-W2	I10-6C	-	-	-
310	I11-6C-W2	I11-6C	-	-	-
311	I12-6C-W2	I12-6C	-	-	-
312	J1-6C-W2	J1-6C	-	-	-
313	J2-6C-W2	J2-6C	-	-	-
314	J3-6C-W2	J3-6C	-	-	-
315	J4-6C-W2	J4-6C	-	-	-
316	J5-6C-W2	J5-6C	-	-	-
317	J6-6C-W2	J6-6C	-	-	-
318	J7-6C-W2	J7-6C	-	-	-
319	J8-6C-W2	J8-6C	-	-	-
320	J9-6C-W2	J9-6C	-	-	-
321	J10-6C-W2	J10-6C	-	-	-
322	J11-6C-W2	J11-6C	-	-	-
323	L1-2C-W2	L1-2C	-	-	-
324	L1-5C-W2	L1-5C	-	-	-
325	L1-6C-W2	L1-6C	-	-	-
			* Excluding the peak generated from excessive azide used		
			"- " = No characterizations (LCMS/NMR) were done		
			"N.D." = Although the product is correct, the molecular mass did not show up in the mass spectrometry (due to low ionization which is common among azides)		

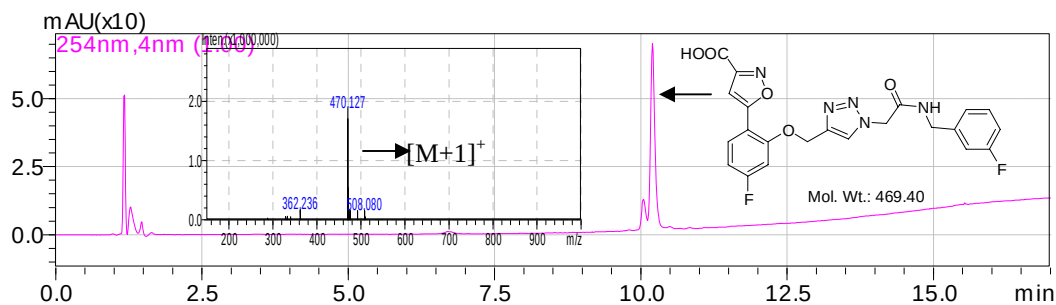
LC-MS profile for selected 'Click' products

LC condition: 30 – 100 % acetonitrile in 0-10 min
100% - 100 % acetonitrile in 10-15 min.

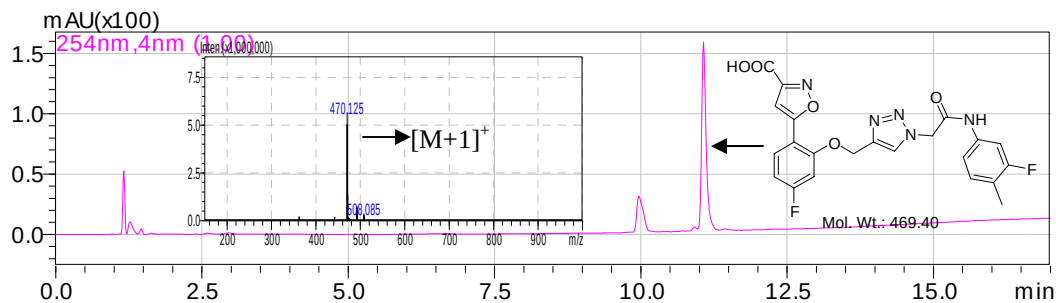
A2-2C-W2



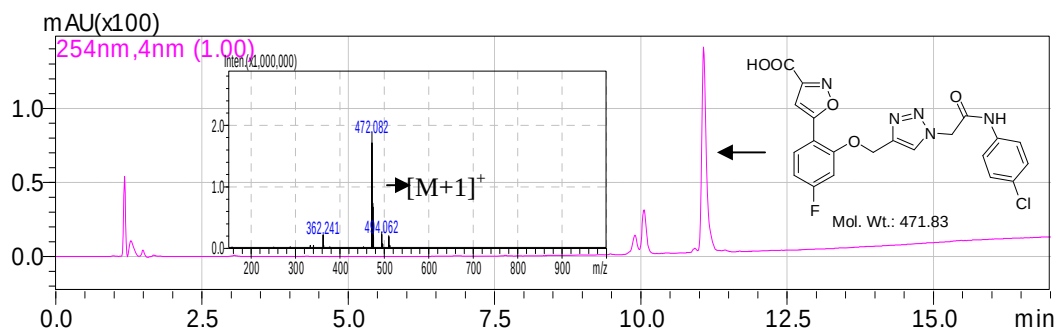
A5-2C-W2



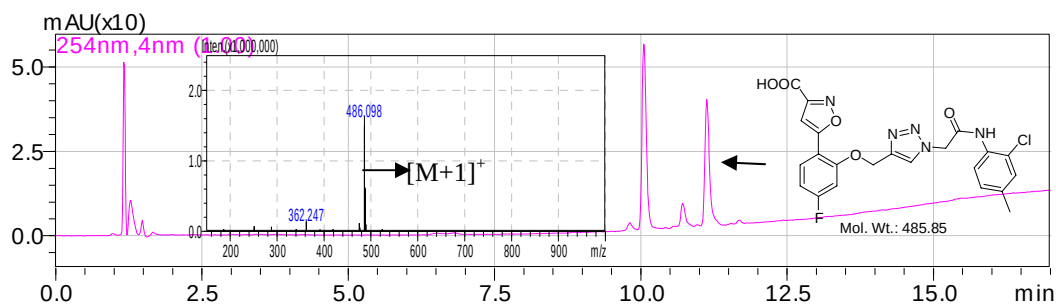
A6-2C-W2



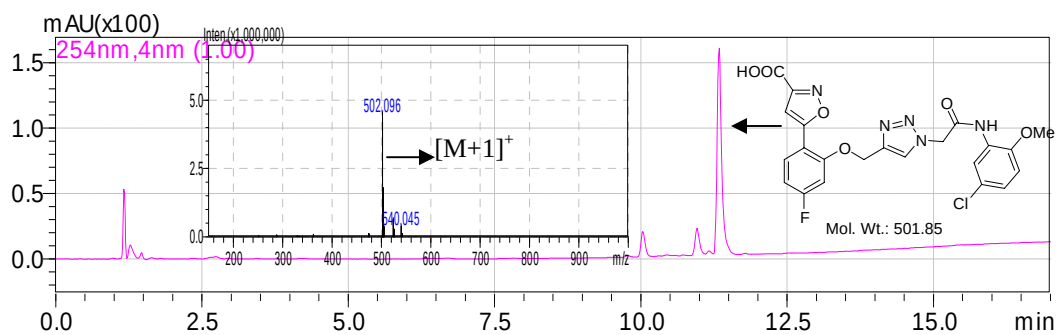
A8-2C-W2



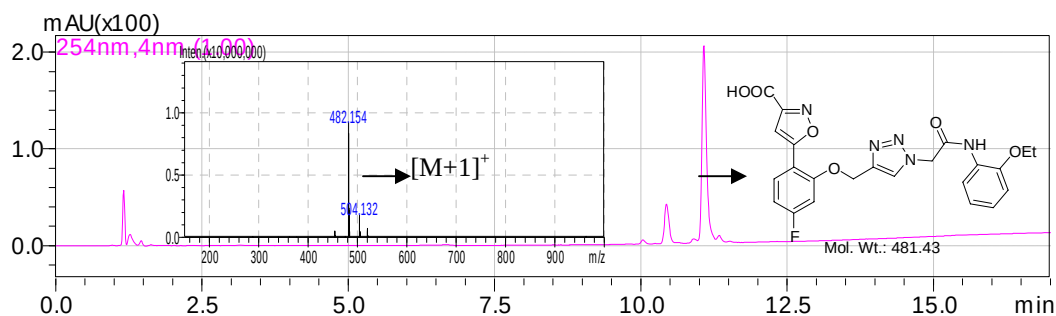
A9-2C-W2



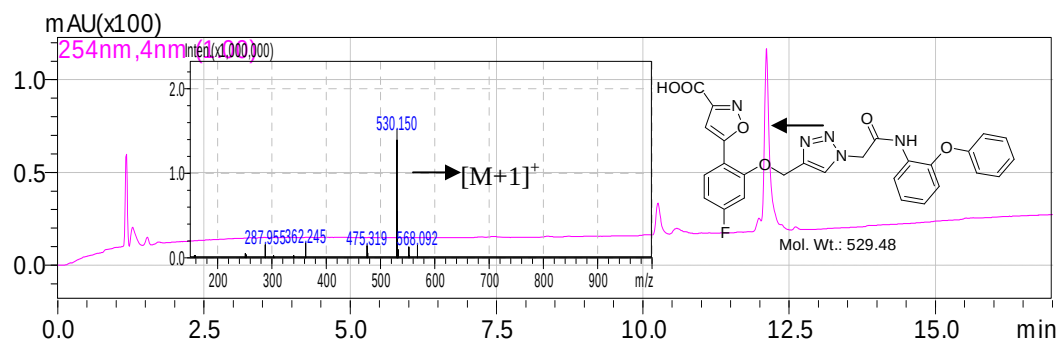
A11-2C-W2



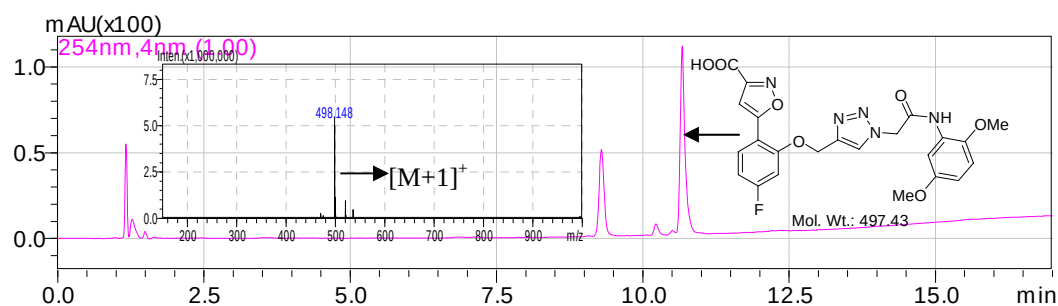
A12-2C-W2



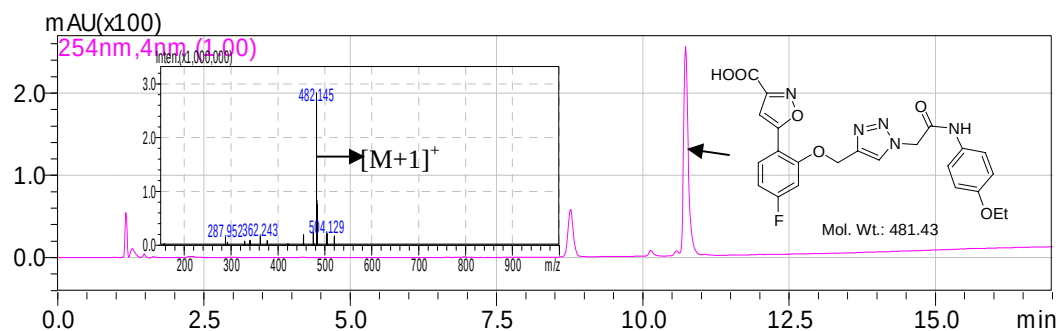
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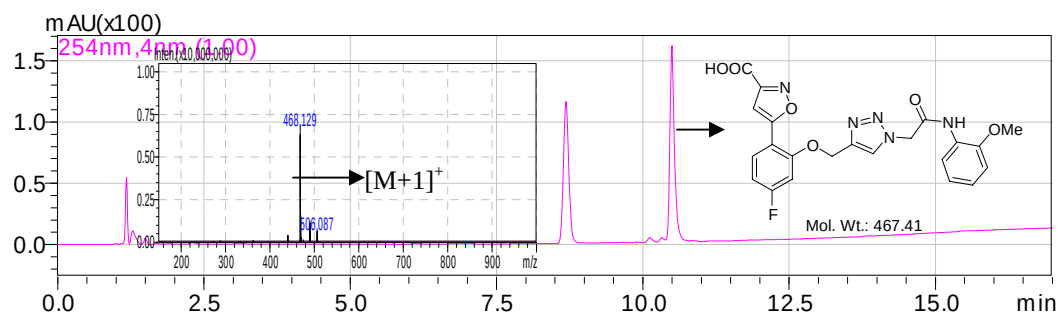
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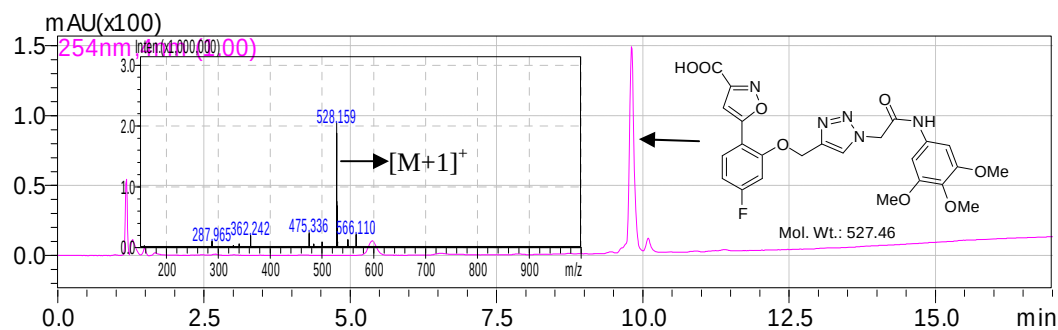
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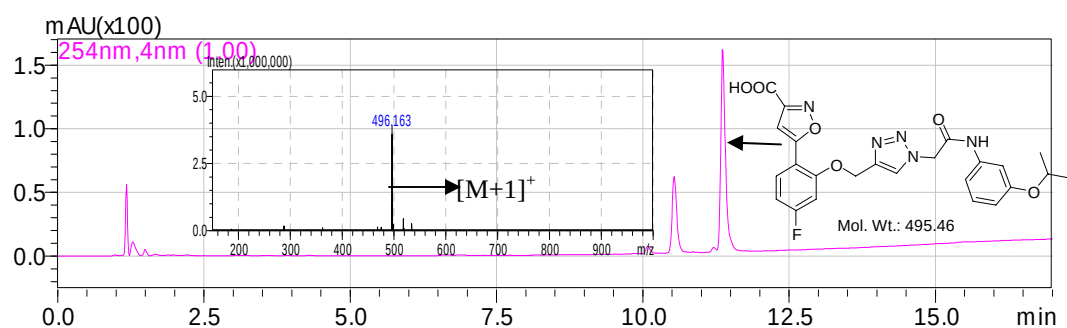
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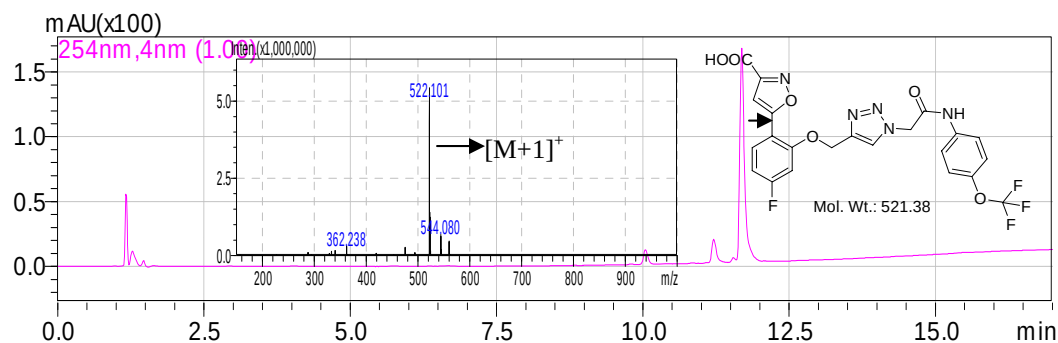
B5-2C-W2



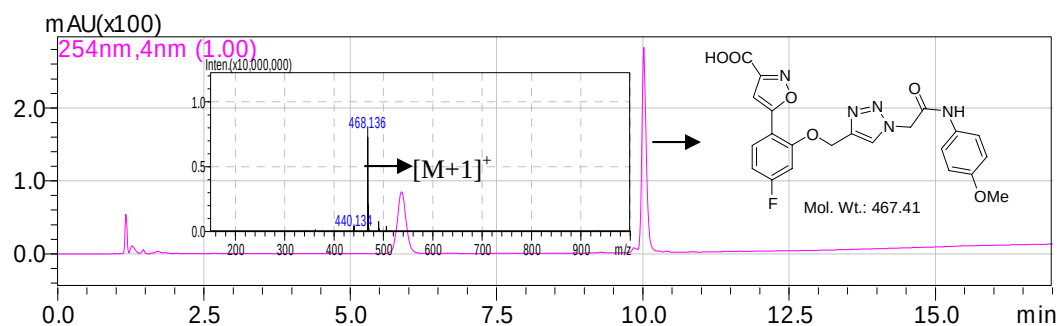
B6-2C-W2



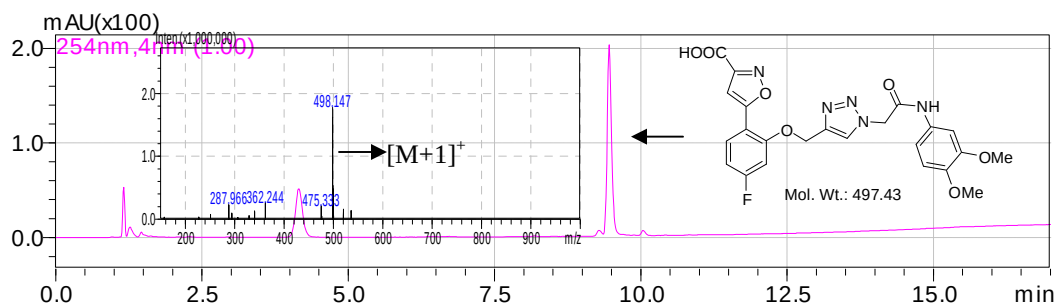
B8-2C-W2



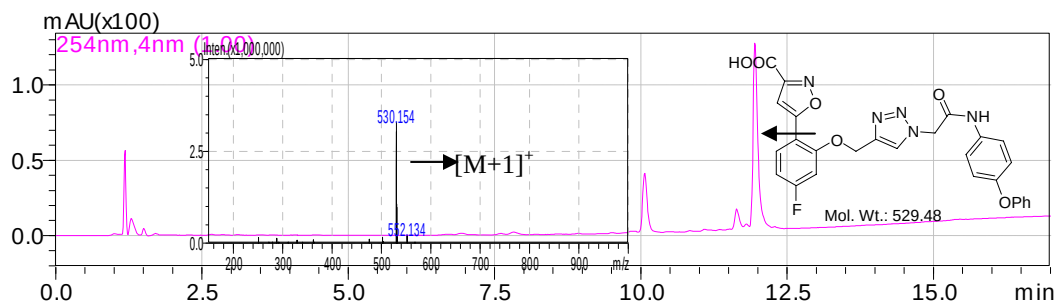
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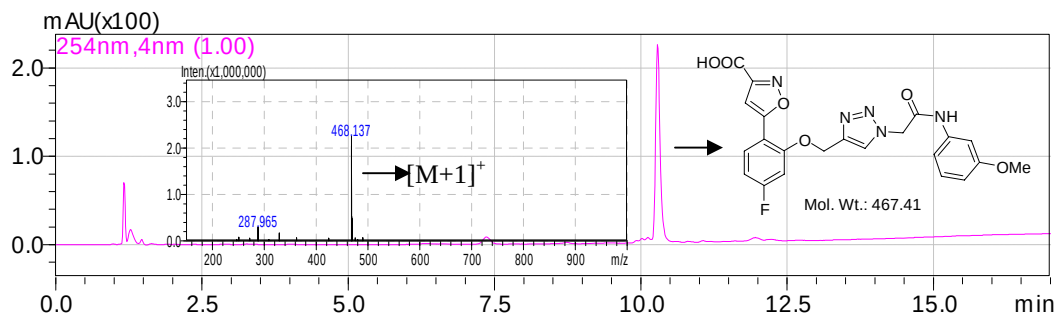
B10-2C-W2



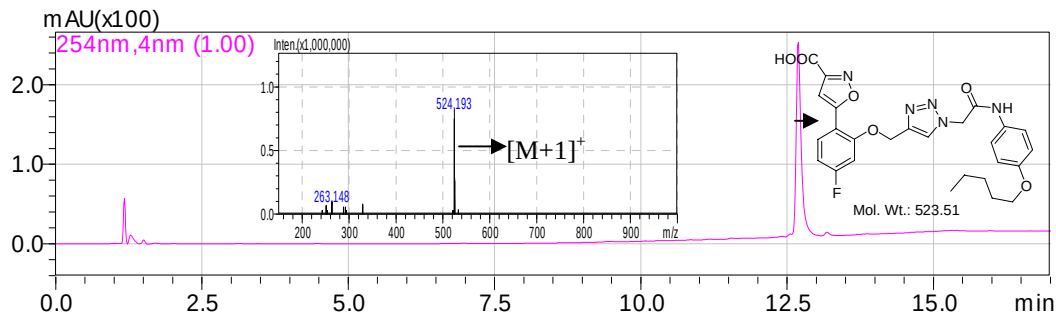
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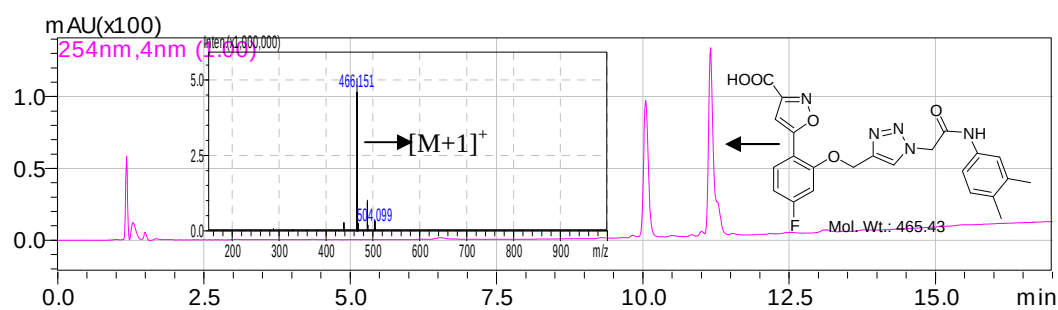
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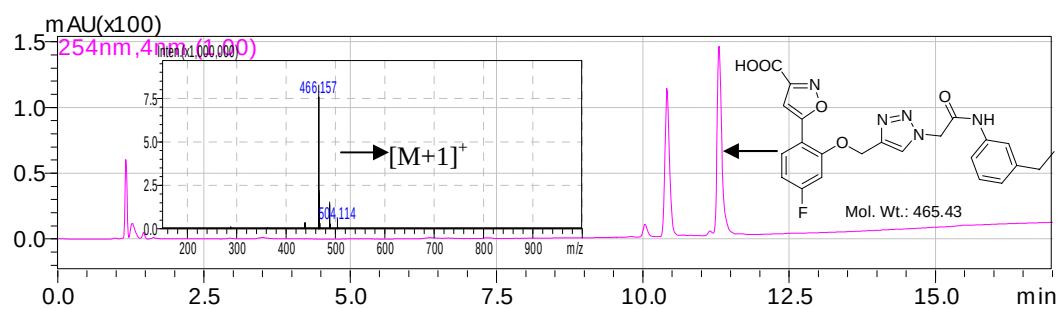
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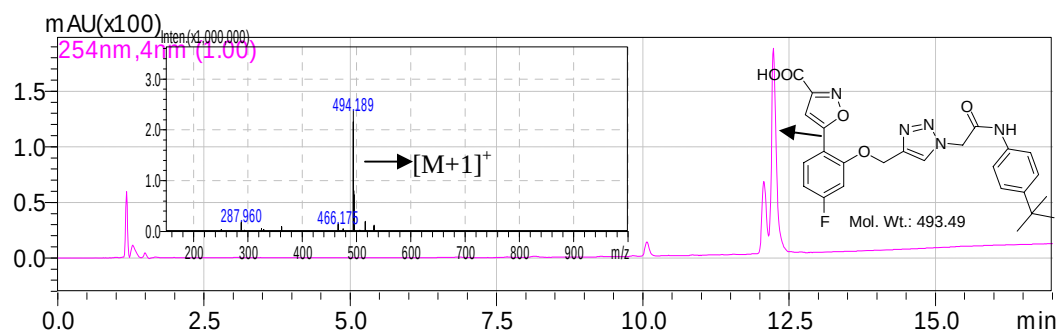
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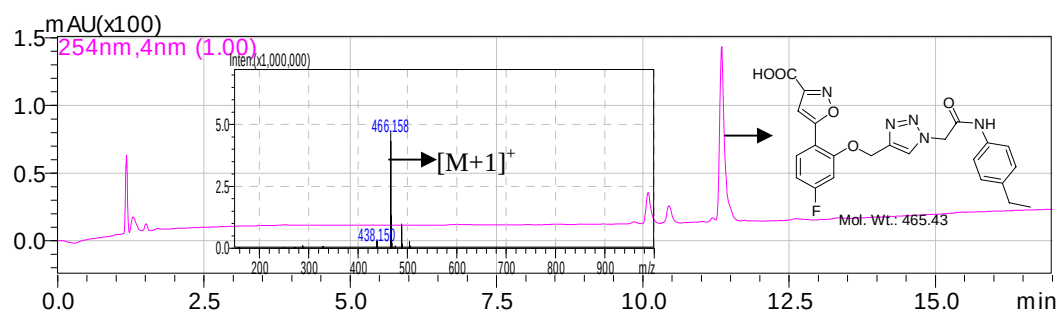
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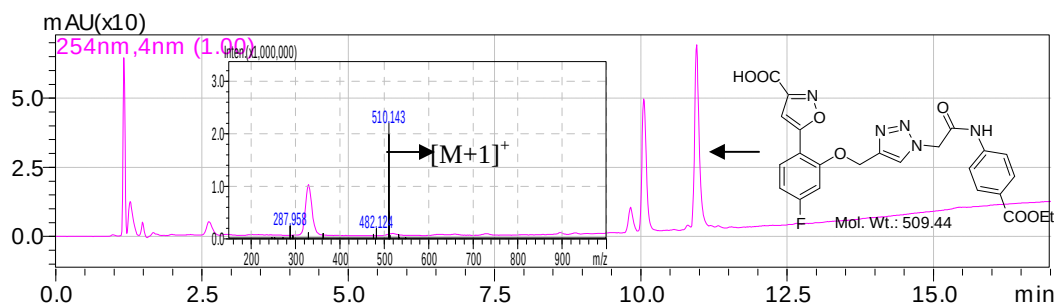
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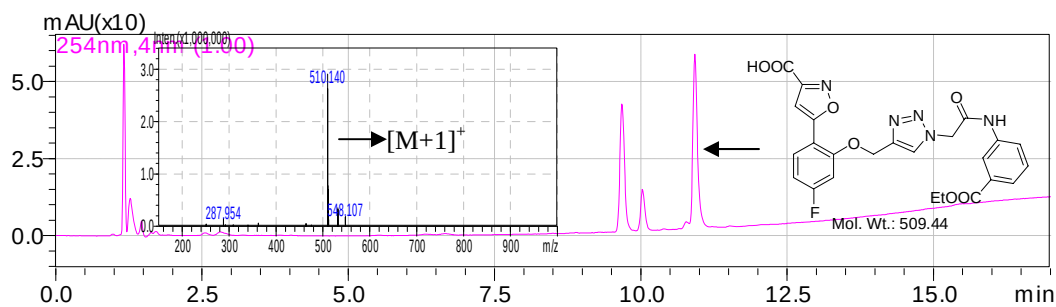
C7-2C-W2



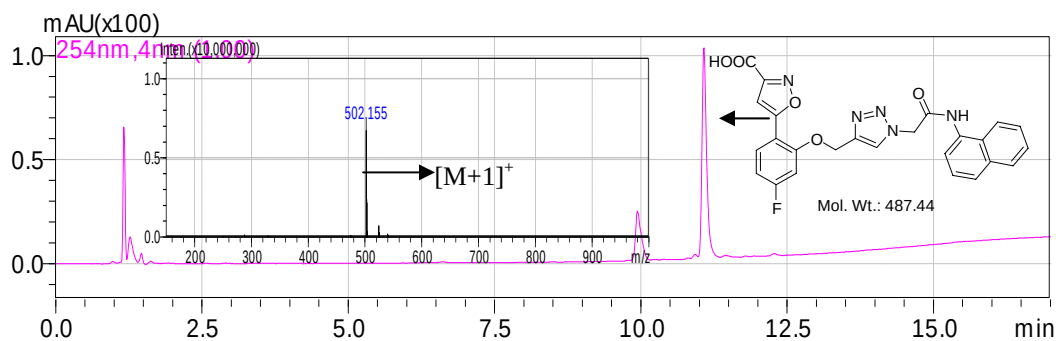
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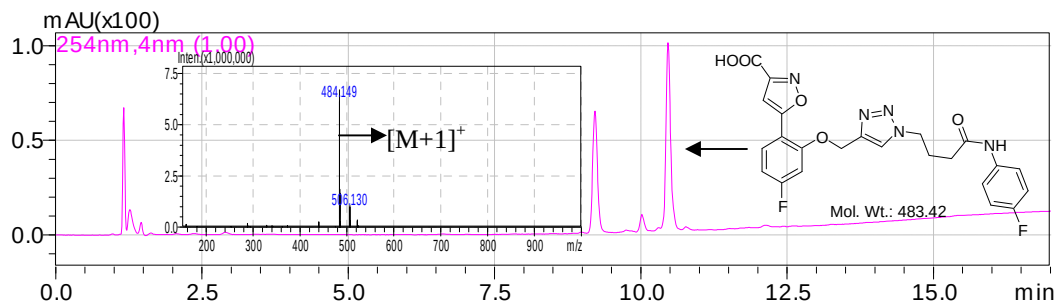
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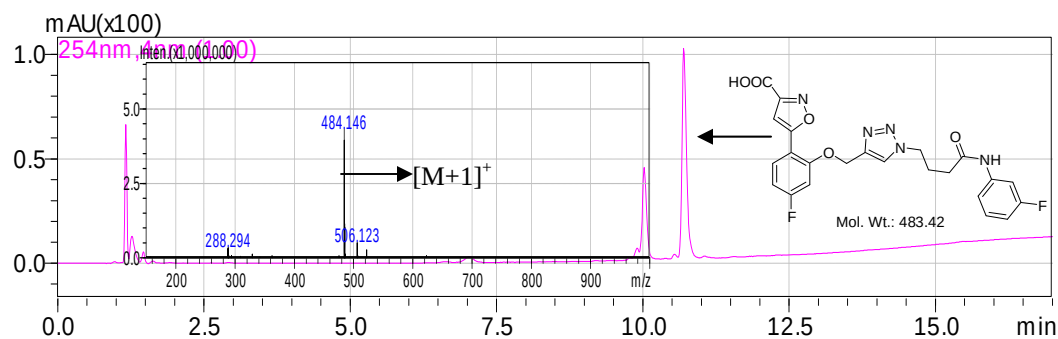
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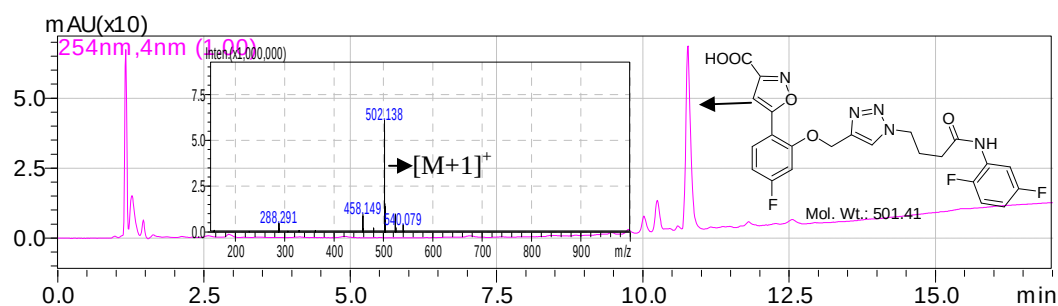
A1-4C-W2



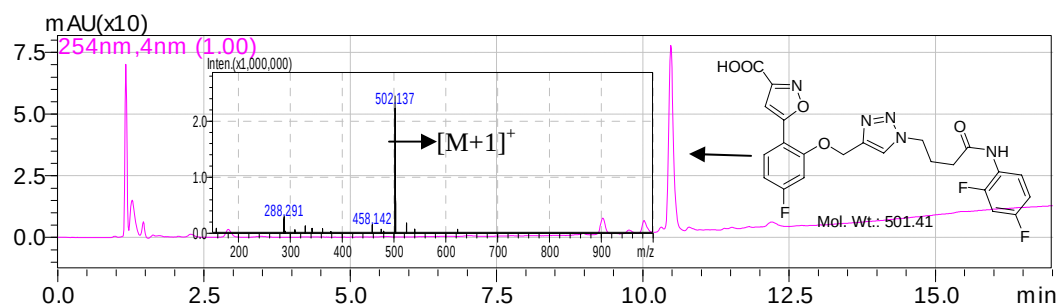
A2-4C-W2



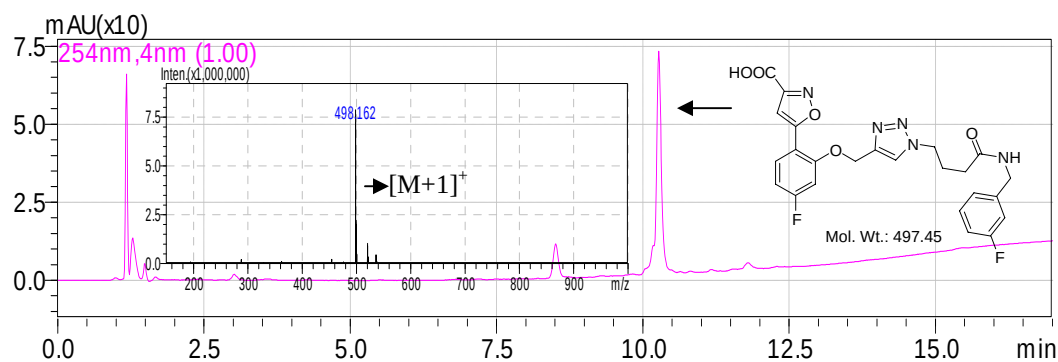
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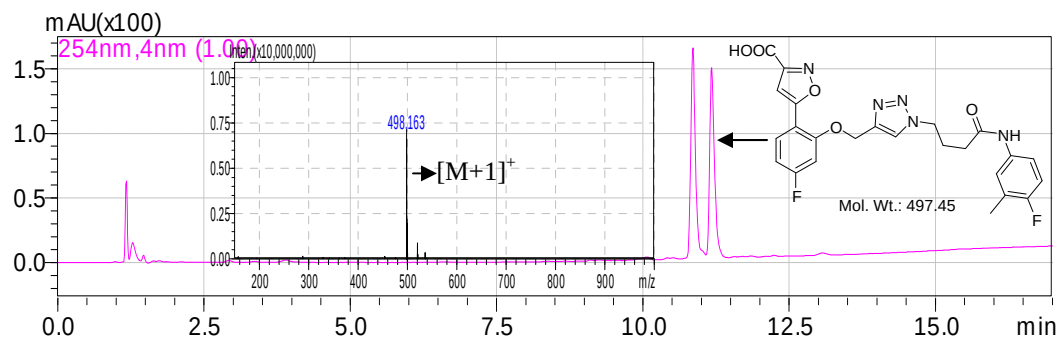
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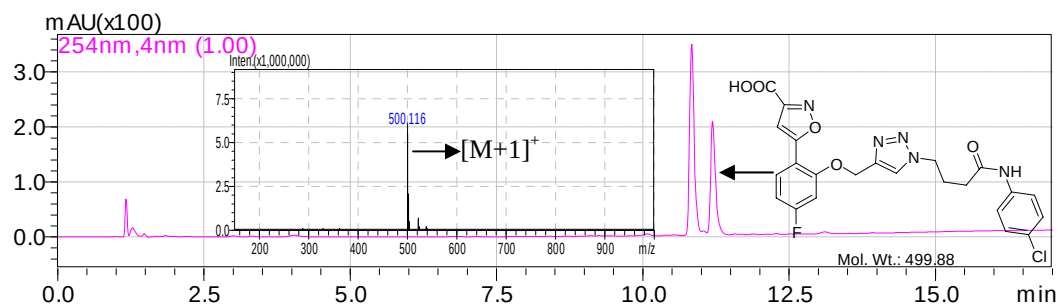
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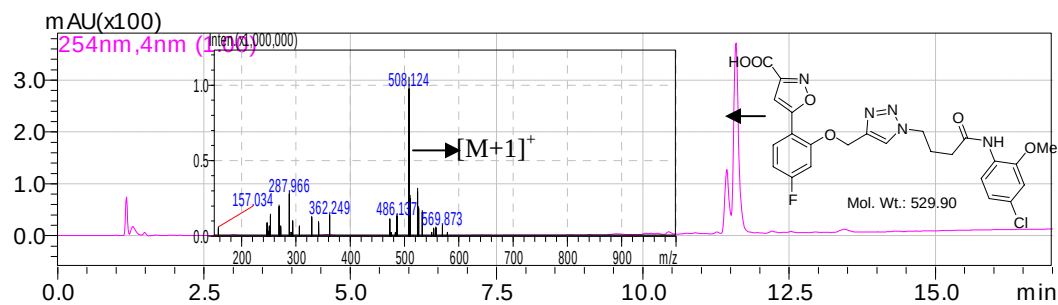
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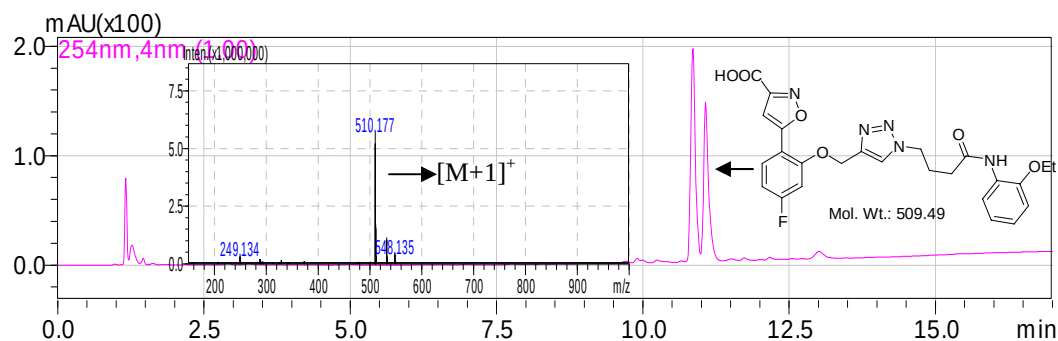
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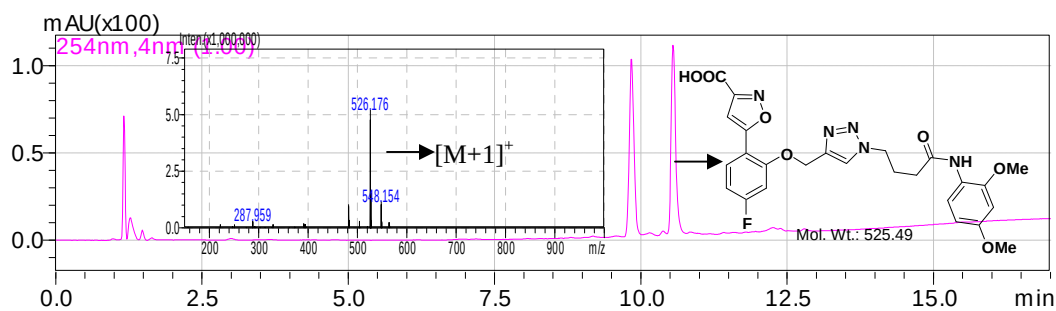
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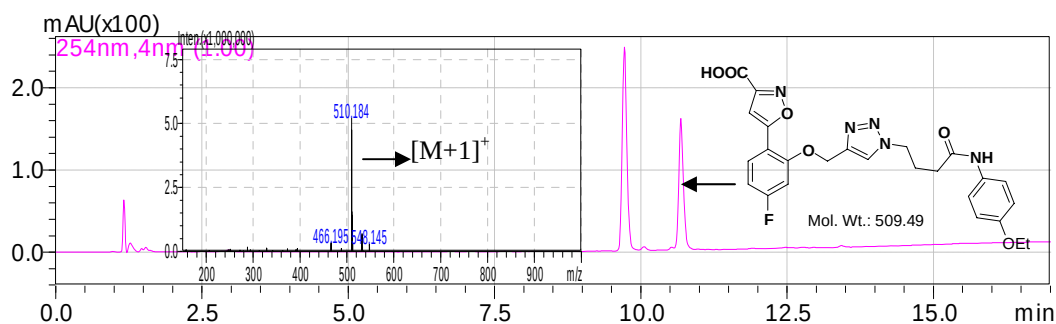
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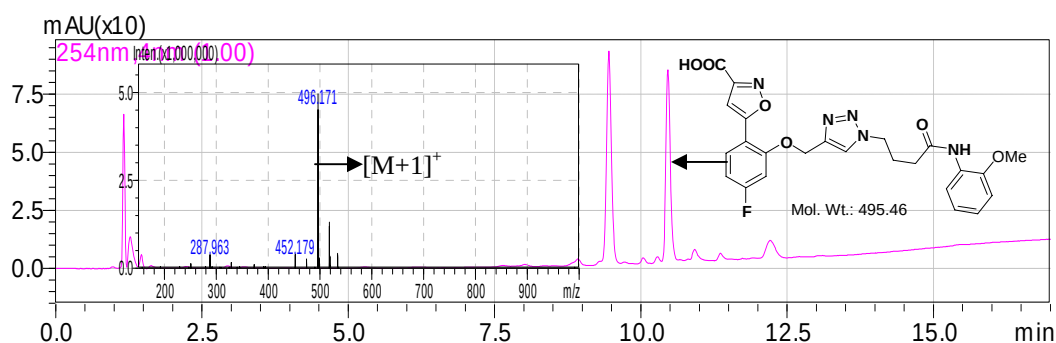
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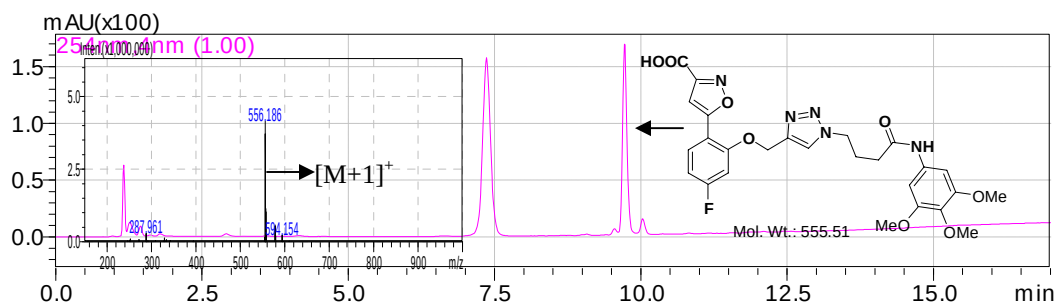
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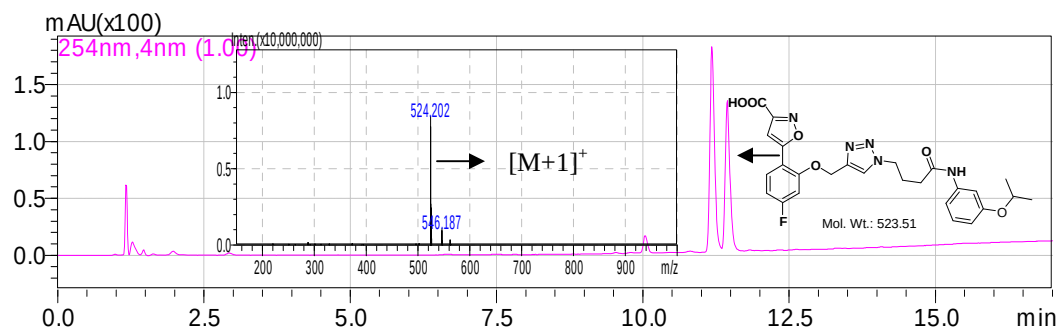
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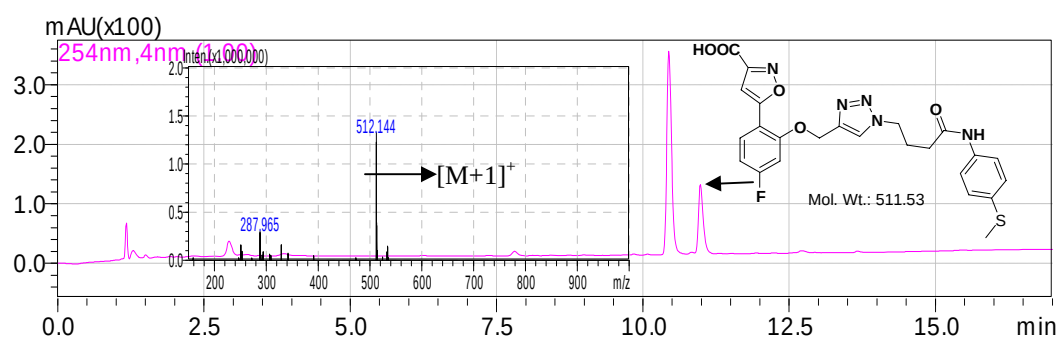
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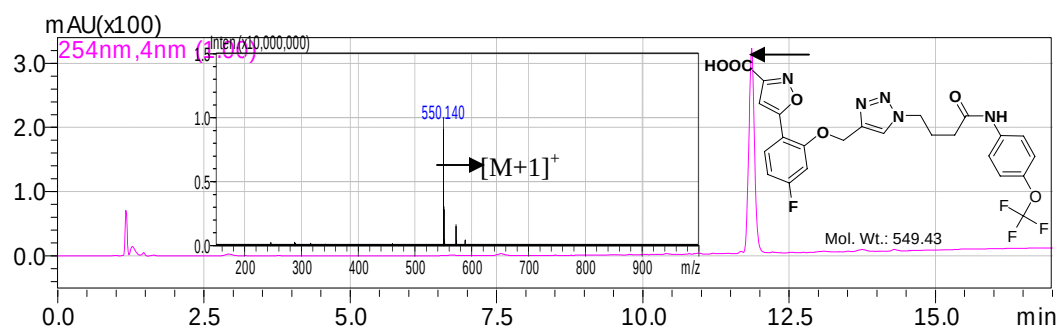
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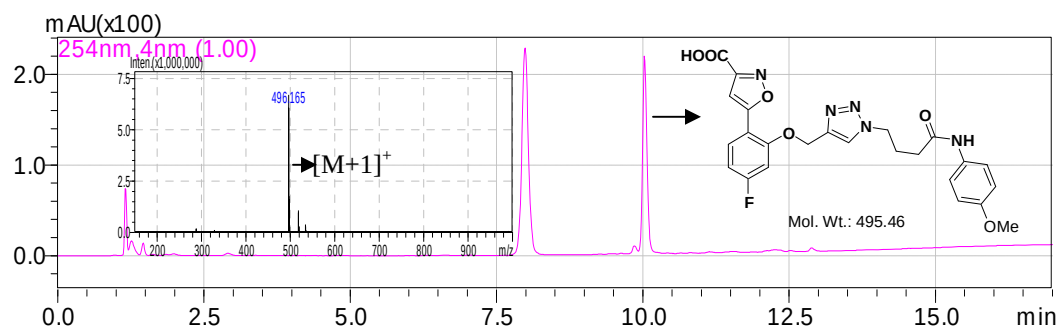
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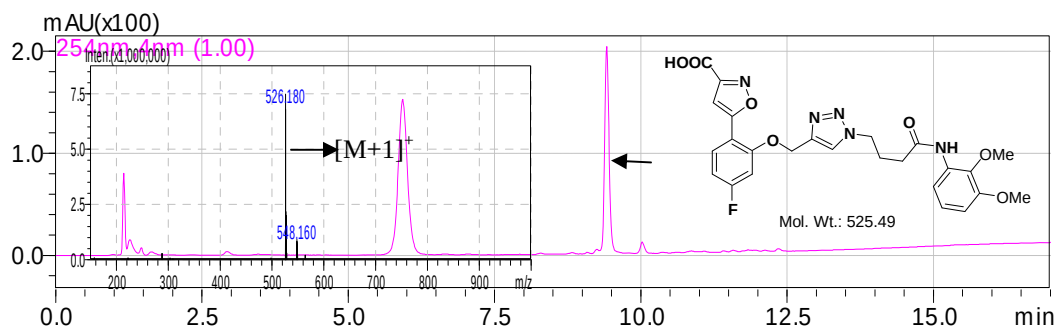
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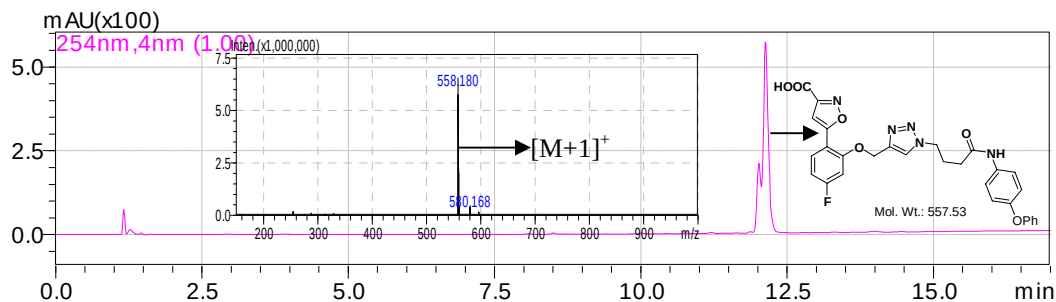
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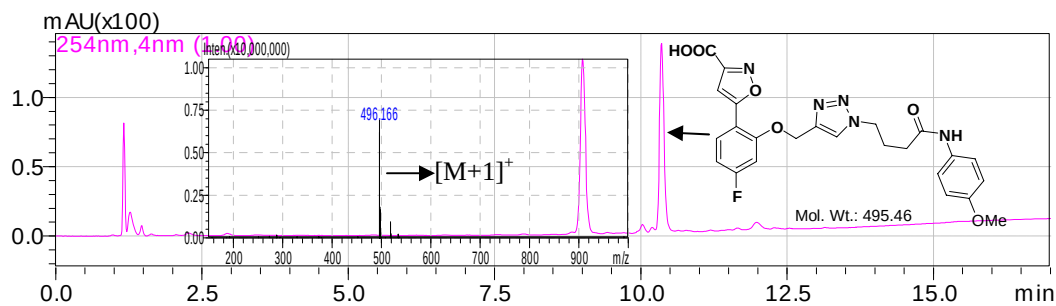
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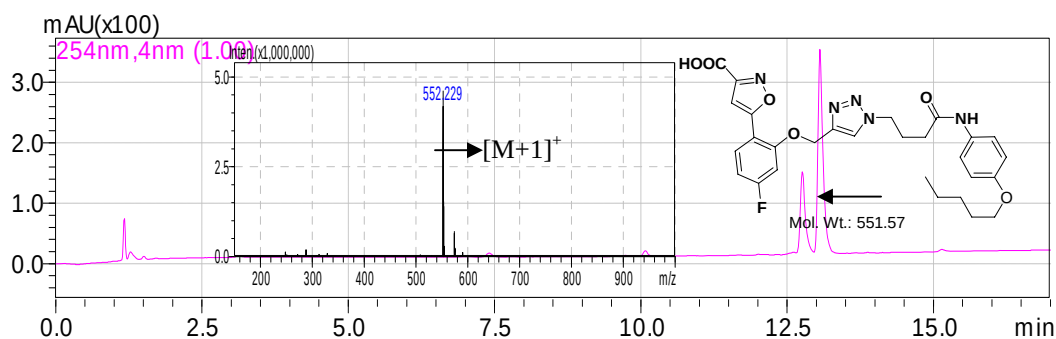
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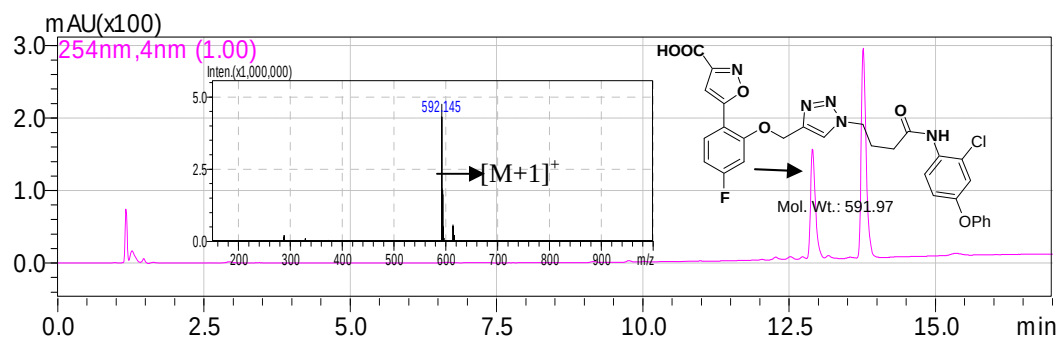
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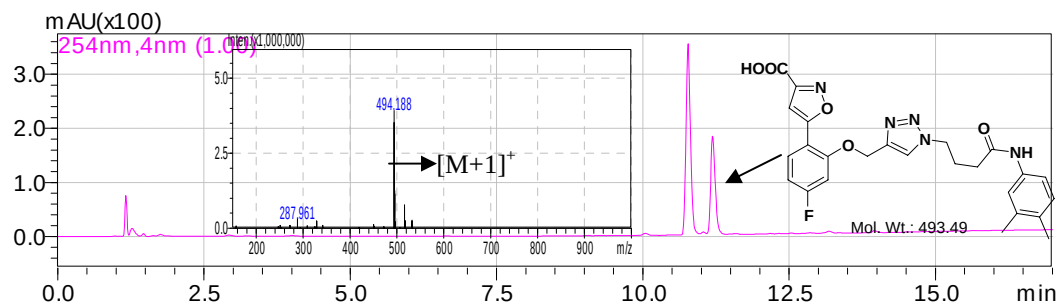
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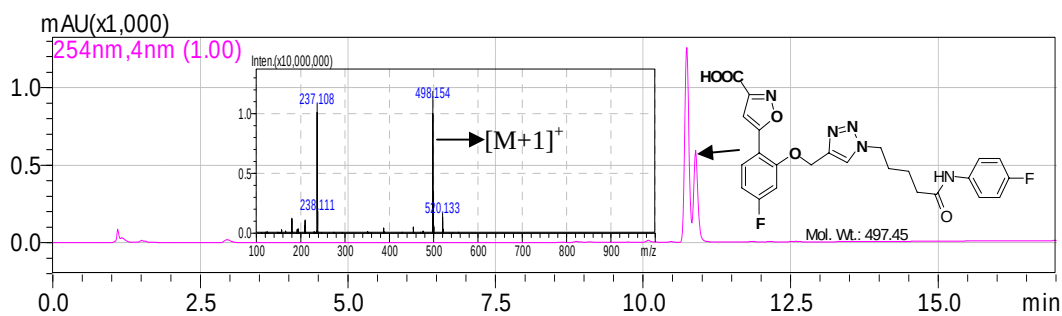
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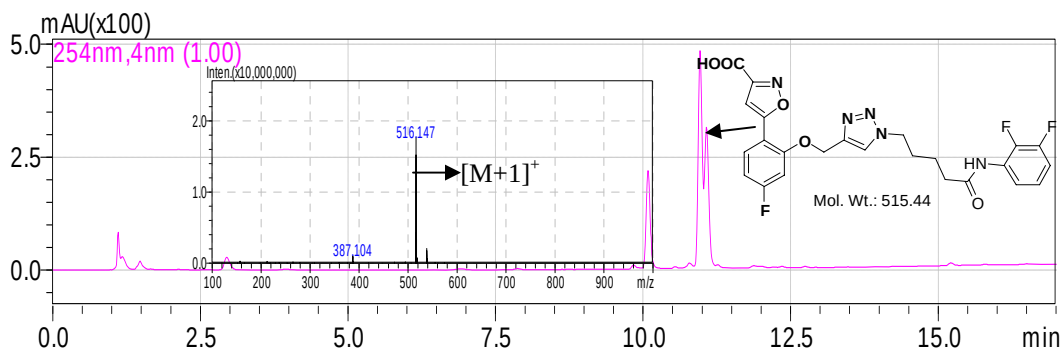
C4-4C-W2



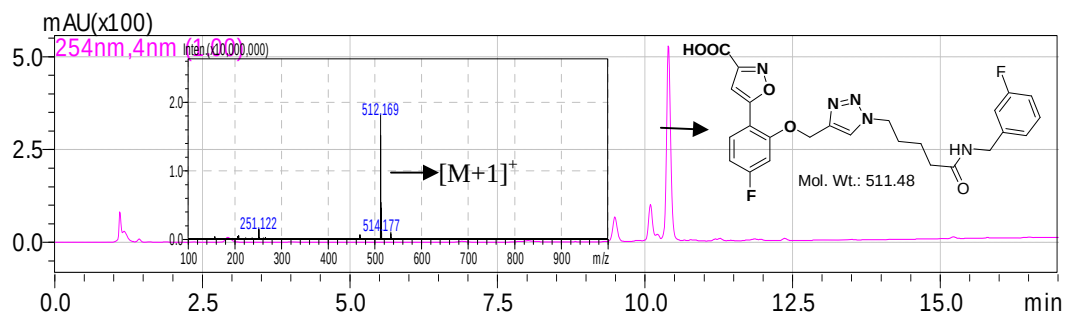
A2-5C-W2



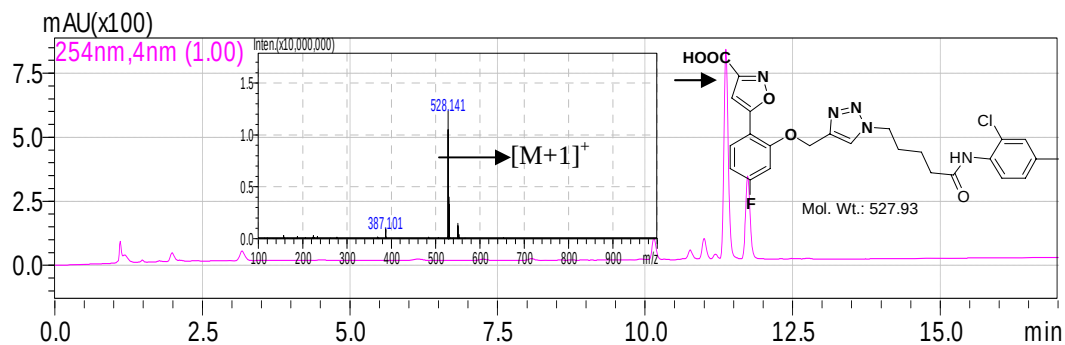
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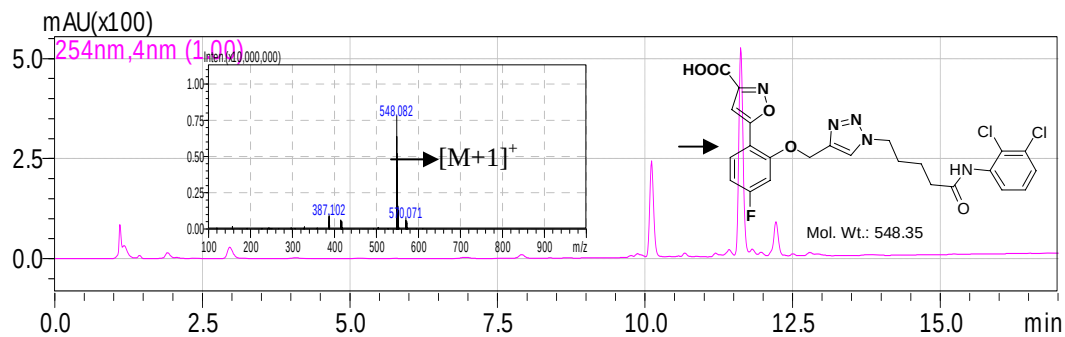
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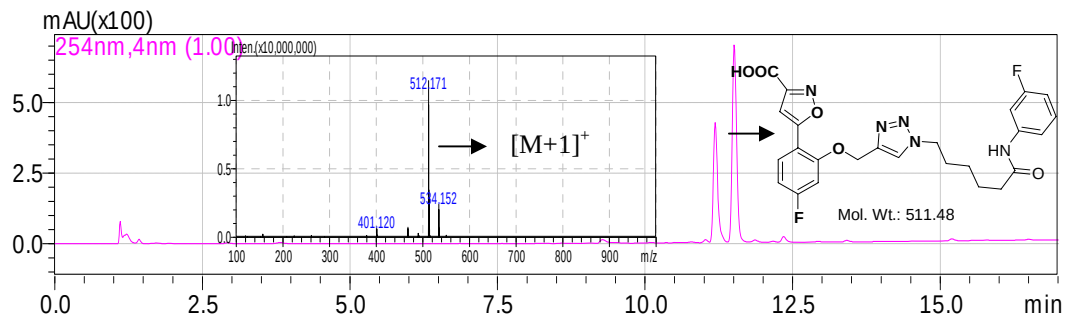
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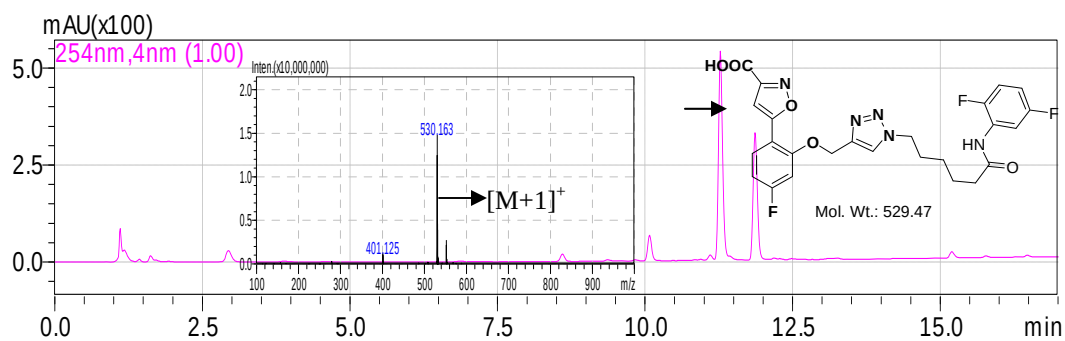
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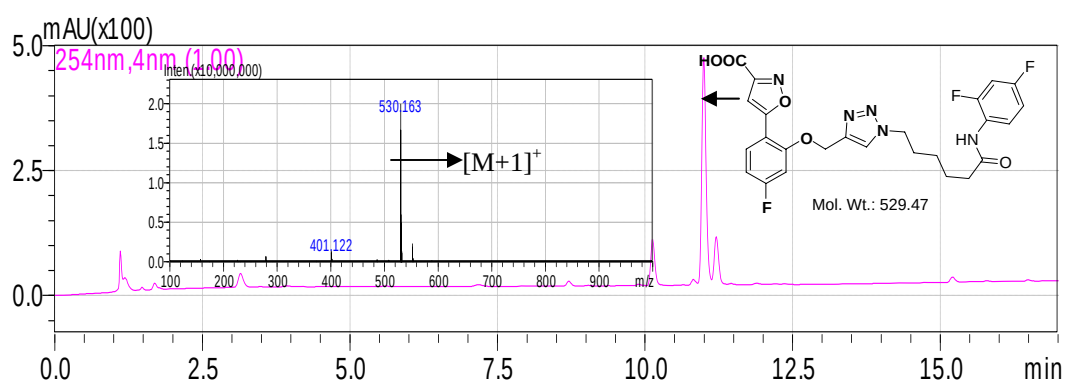
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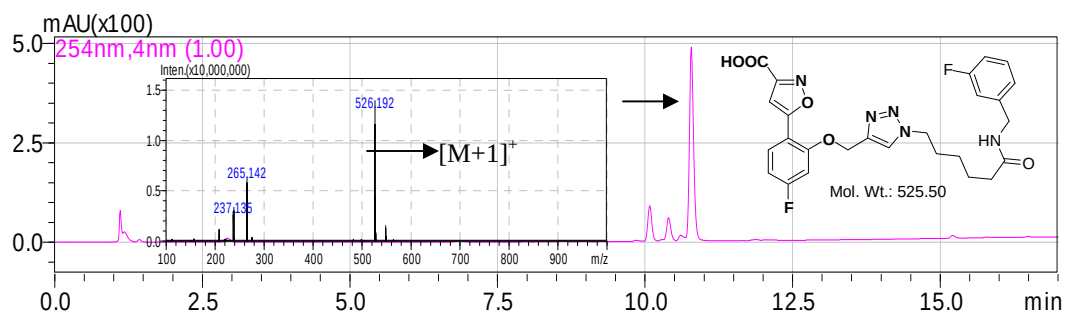
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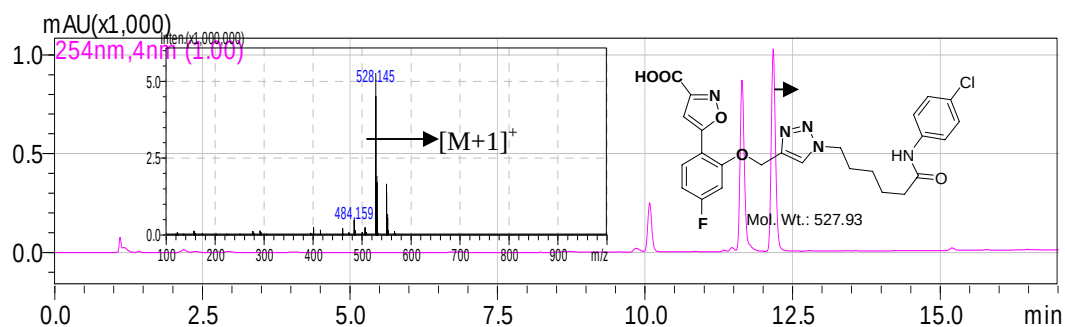
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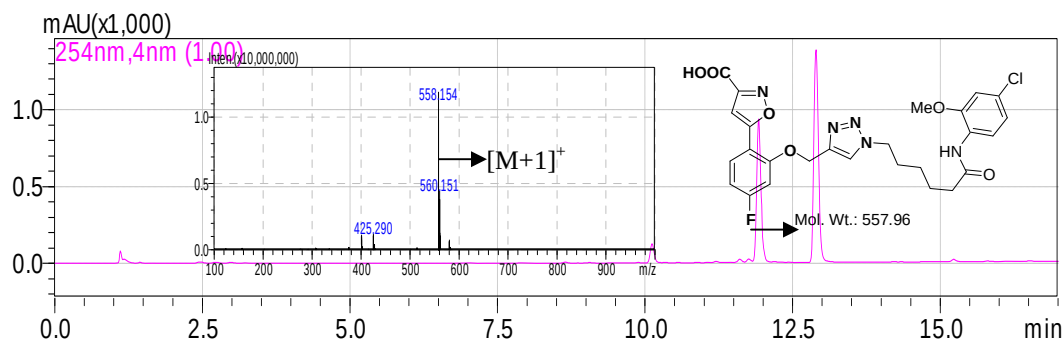
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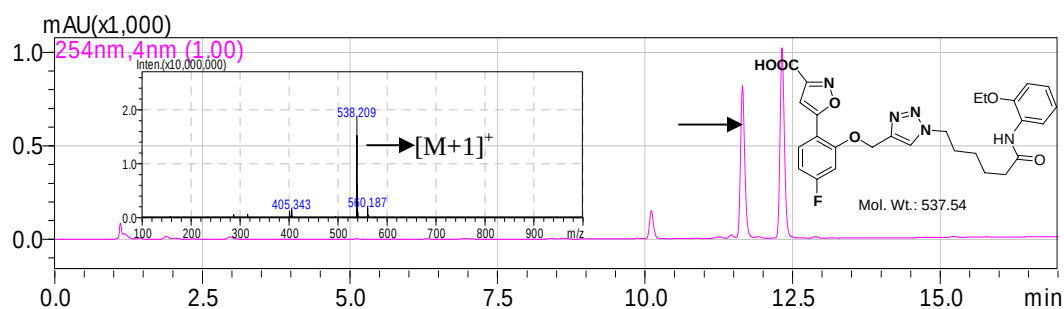
A8-6C-W2



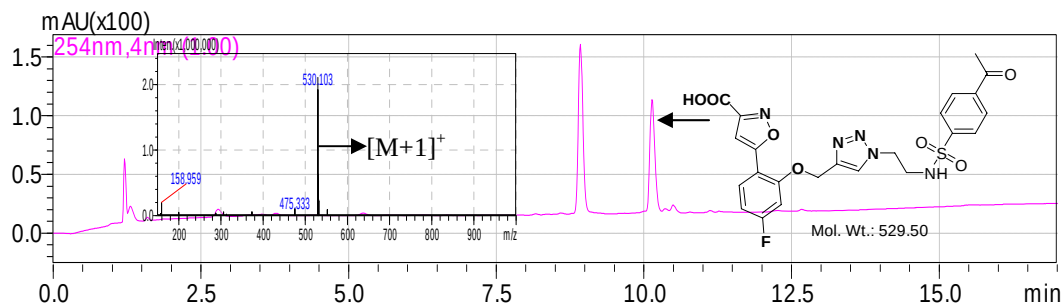
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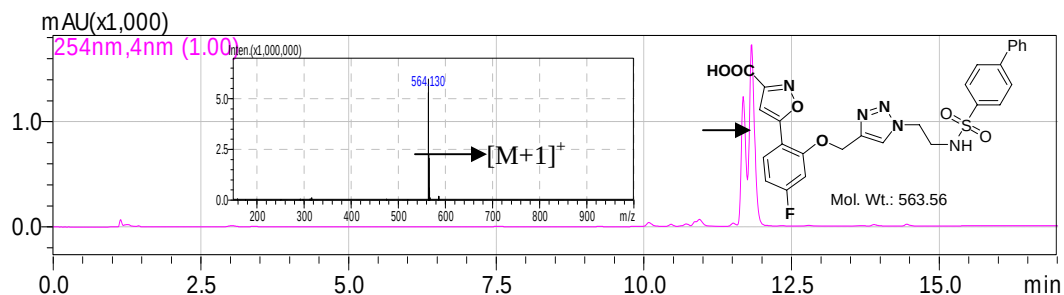
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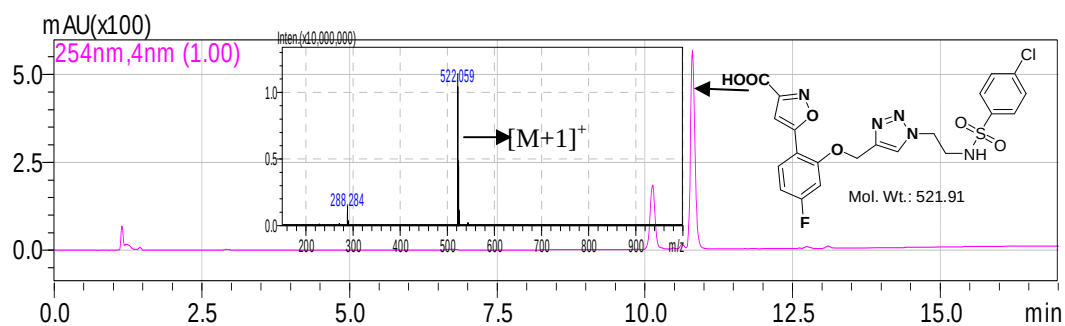
I1-2C-W2



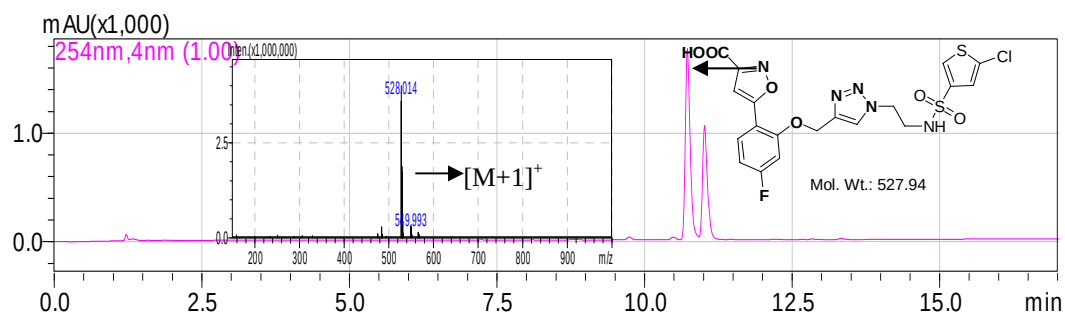
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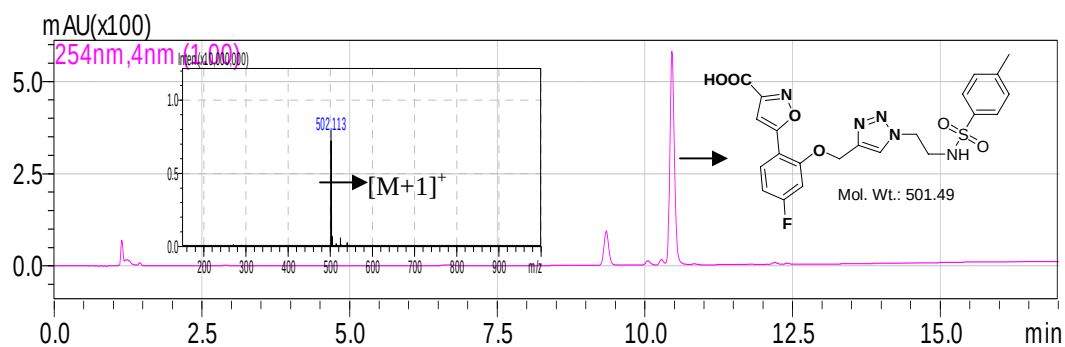
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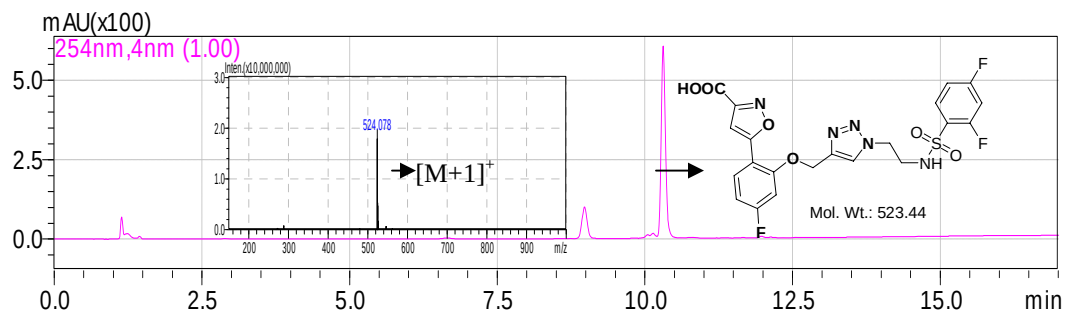
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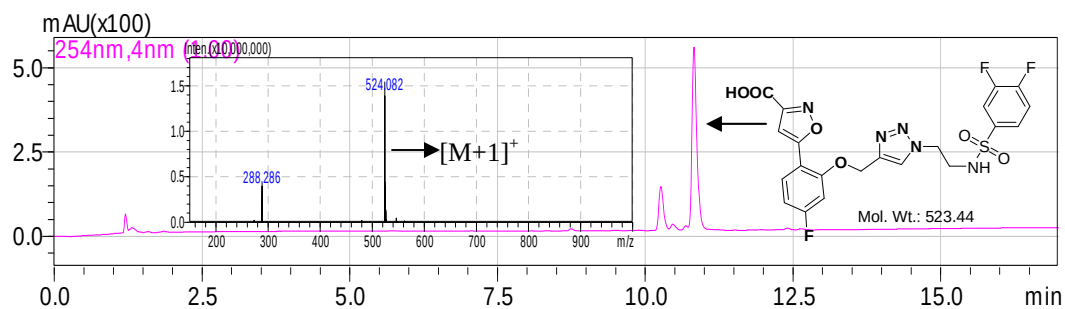
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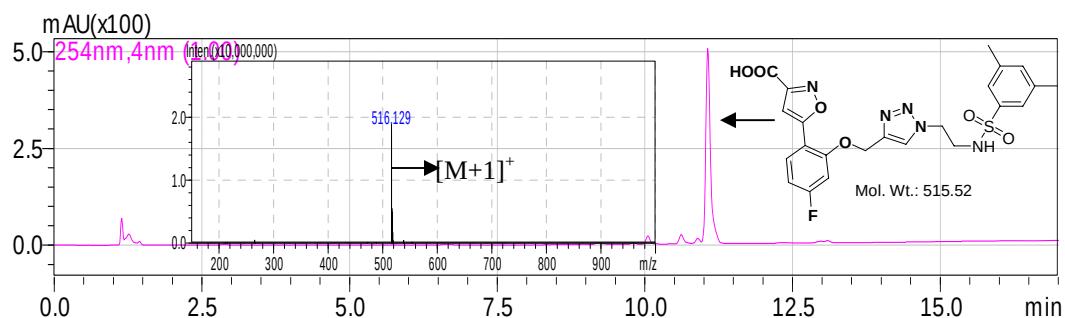
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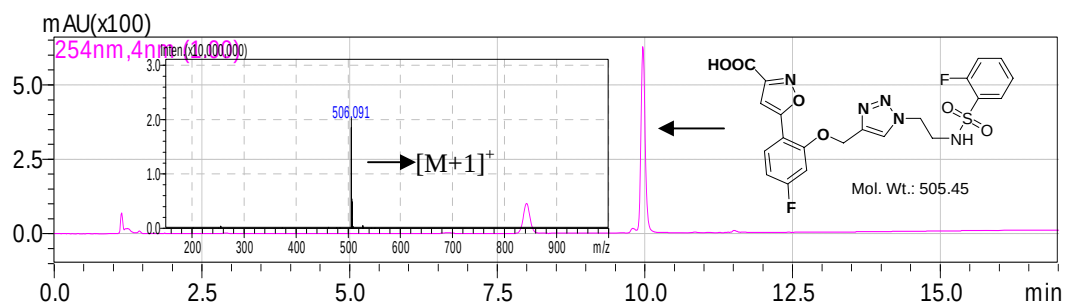
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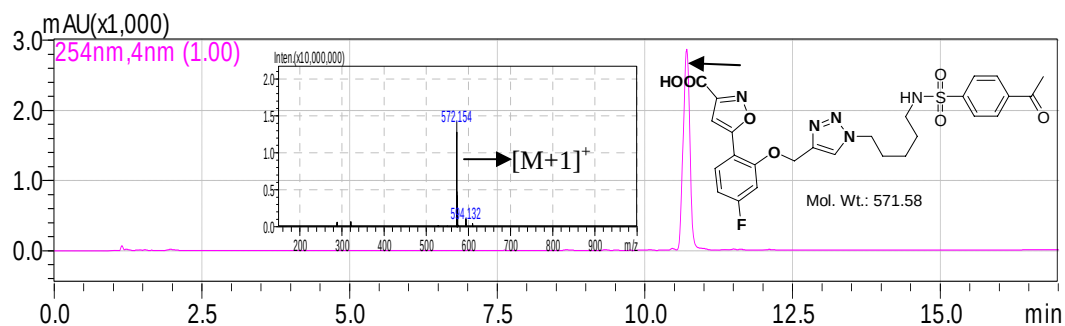
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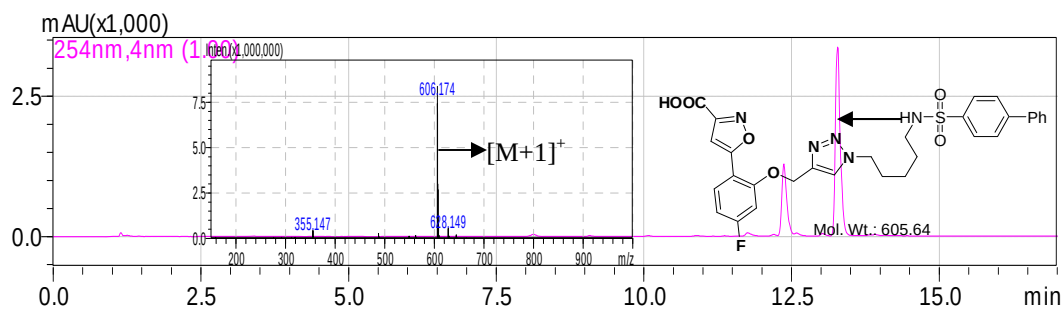
I9-2C-W2



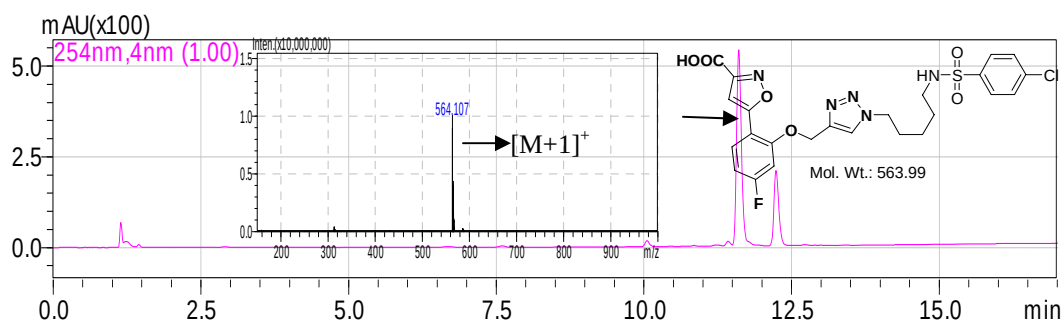
I1-5C-W2



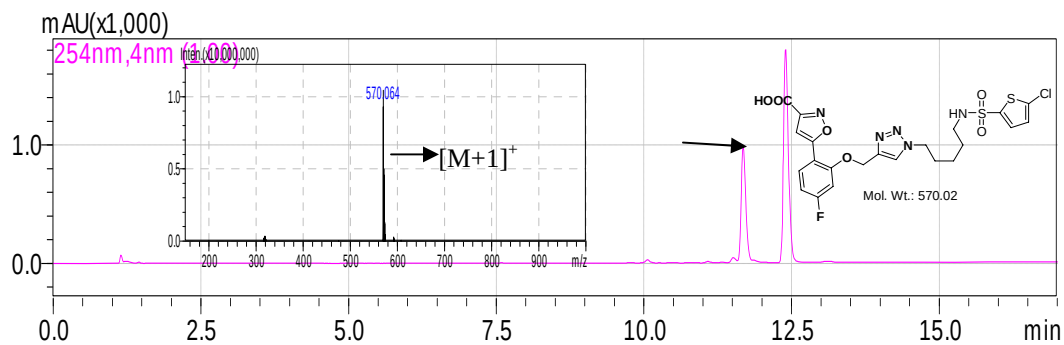
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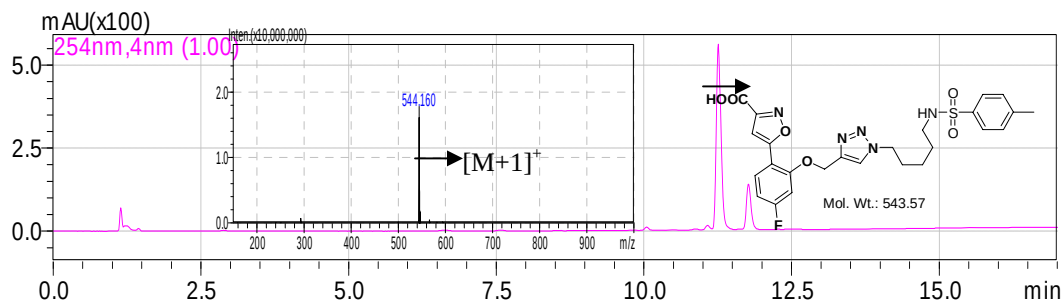
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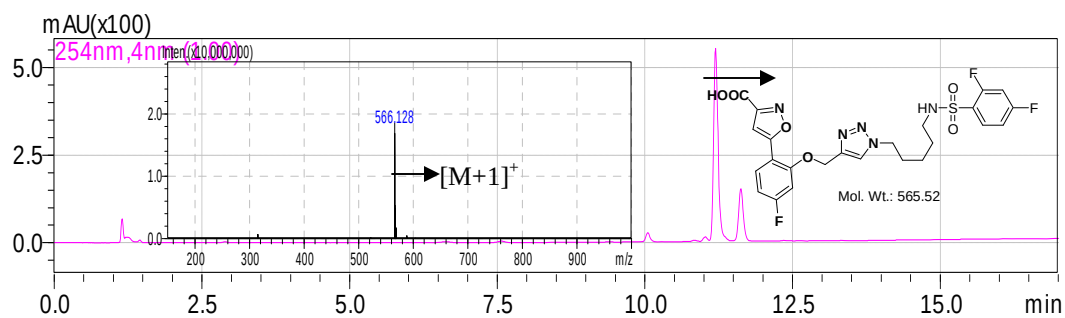
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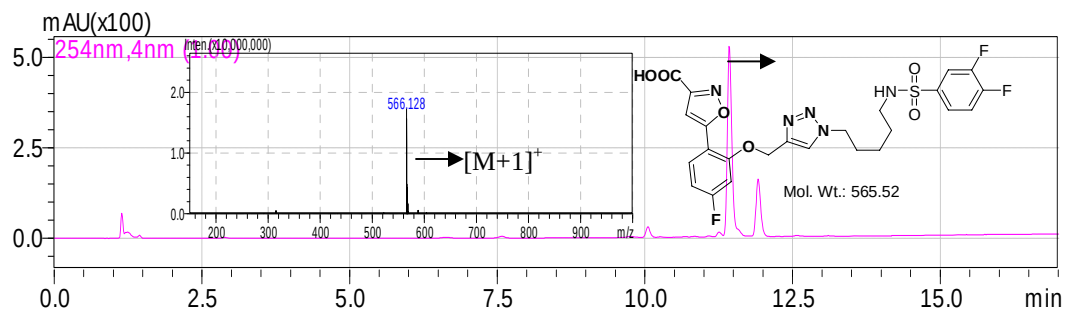
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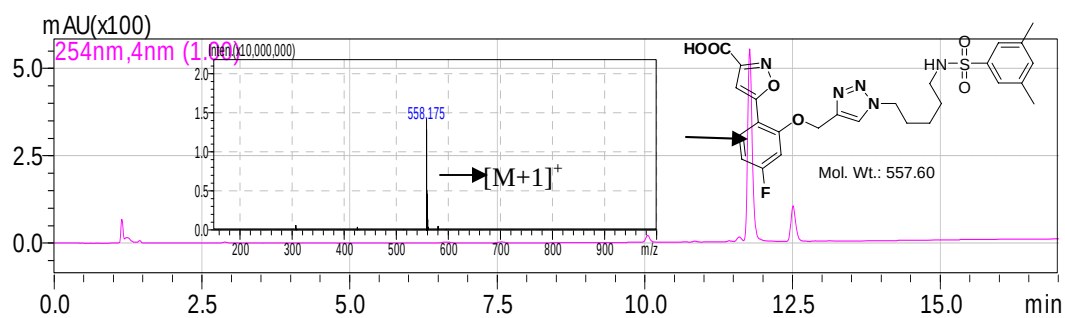
I6-5C-W2



I7-5C-W2



I8-5C-W2



I9-5C-W2

