

Phosphorothioate Oligonucleotide 25mer Metabolism



Conditions

Column: XTerra® MS C₁₈ 1.0 x 50 mm, 2.5 µm
Part Number: 186000979
Mobile Phase A: 5% MeOH, 95% 0.4 M Hexafluoroisopropanol, 16.3 mM Triethylamine, pH 7.9
Mobile Phase B: 60% MeOH, 40% 0.4 M Hexafluoroisopropanol, 16.3 mM Triethylamine, pH 7.9
Gradient:

| Time (min) | Profile | |
|------------|---------|------|
| | %A | %B |
| 0.0 | 81.8 | 18.2 |
| 40.0 | 63.6 | 36.4 |

Flow rate: 0.0236 mL/min
Injection Volume: 0.6 µL
Temperature: 60°C
Detection: UV @ 260 nm
Instrument: CapLC®, 2996 PDA, LCT™ MS

MS Conditions

Micromass LCT™

ESI⁻

Capillary (KV): 2.0
Cone (V): 18
Extraction Cone (V): 1.0
RF Lens: 300
Source Temp: 100
Desolvation Temp: 120
Cone Gas Flow (L/Hr): 31
Desolvation Gas Flow (L/Hr): 400
RF DC Offset 1 (V): 7
RF DC Offset 2 (V): 1
Ion Energy: 35
MCP Detector: 2700
Grid 2 (V): 38

Partially in vitro digested 25mer PS

