Biomarker Analysis for Gaucher Disease by LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

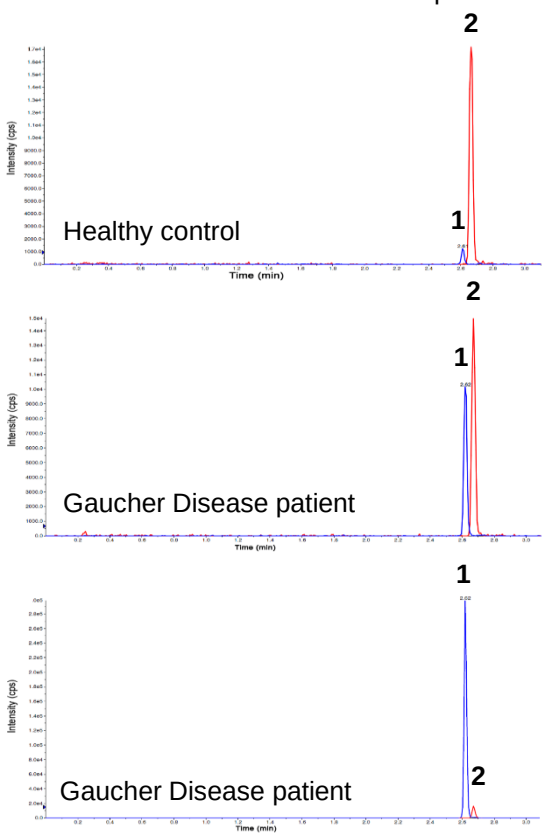
Application #**AN3490**

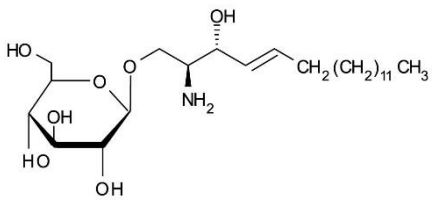
Conditions

Column:	ACE 3 C8
Dimensions:	50 x 2.1 mm
Part Number:	ACE-112-0502
Mobile Phase:	A: 50 mM formic acid in H_2O
	B: 50 mM formic acid in MeCN/acetone (1:1 v/v)

Time (mins)	%B
0.0	5
4.0	66
4.1	100
5.1	100
5.9	5

Flow Rate:	0.9 mL/min
Injection:	5 µL
Temperature:	60 °C
Detection:	API 4000 triple quad MS
	ESI in positive ion mode
	Temperature: 500 °C





1. Glucosylsphingosine (*m/z* 462 → 282)

2. Lyso-Gb2 (IS) (*m/z* 624 → 282)

Rolfs A, Giese AK, Grittner U, Mascher D, Elstein D, et al. (2013) Glucosylsphingosine Is a Highly Sensitive and Specific Biomarker for Primary Diagnostic and Follow-Up Monitoring in Gaucher Disease in a Non-Jewish, Caucasian Cohort of Gaucher Disease Patients. PLoS ONE 8(11): e79732. doi:10.1371/journal.pone.0079732

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