

# HPLC Application

ID No.: 23857

## Artificial sweetener standards by LCMS using Luna Omega 5u Polar C18 50x4.6mm

**Column:** Luna Omega 5u Polar C18 100A, LC Column 50 x 4.6 mm, Ea

**Dimensions:** 50 x 4.6 mm ID

**Order No:** 00B-4754-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic Acid in Water

**Eluent B:** 0.1% Formic Acid in Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	97	3
	2	4	0	100
	3	4.1	97	3
	4	7	97	3

**Flow Rate:** 0.7 mL/min

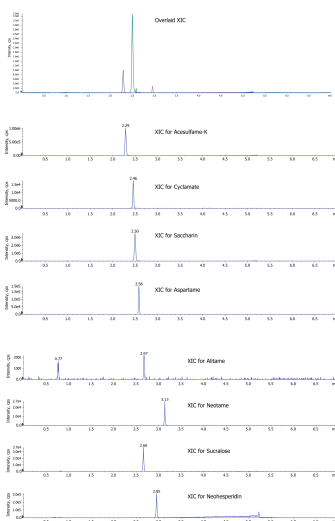
**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** <a target="\_blank" href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<



Products used in this application:



### ANALYTES:

- 1** Acesulfame K  
Retention Time: 2.29 min
- 2** Cyclamate  
Retention Time: 2.46 min
- 3** Saccharin  
Retention Time: 2.5 min
- 4** Aspartame  
Retention Time: 2.58 min
- 5** Sucralose  
Retention Time: 2.66 min
- 6** Alitame  
Retention Time: 2.67 min
- 7** Neohesperidine  
Retention Time: 2.95 min
- 8** Neotame  
Retention Time: 3.13 min

