

Chemical Information:

Name: Thiosulfuric acid, diammonium salt
CAS No.: 7783-18-8
Tox21_ID No.: Tox21_202777
NTP_CID No.: 3892
Supplier: Sigma-Aldrich
Lot No.: 12128JE
MW: 148.21 g/mol
Dates of Analysis:
LC/UV: 31 March 2017
LC/MS: 20 January 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Thiosulfuric acid, diammonium salt	1.72	100.00

^a Peaks comprising ≥ 0.5% of total area.

Instrument Parameters:

Instrument / Ionization	Shimadzu UPLC; Micromass Quattro II / ESI-
Solvent	Water
Column	Grace Alltima C18, 5 µm, 250 mm x 4.6 mm ID
Injection Volume / Detection	10 µL / 225 nm
Mobile Phase	Water (A) / Acetonitrile (B)
Program / Flow Rate	50/50 A/B for 40 minutes; 0/100 in 10 minutes, hold 10 minutes; 50/50 for 15 minutes / 1.0 mL/minute
Cone / Corona	50 V / 3.0 kV
Source Temperature	125°C
Probe Temperature	350°C
Scan Range	20 – 1280 amu
Acquisition Software	LC/UV – LabSolutions, v 5.71.SP1 LC/MS – MassLynx 4.0

