

Chemical Information:

Name: Nickel, bis(dibutylcarbamodithioato.kappa.S,.kappa.S')-, (SP-4-1)-
 CAS No.: 13927-77-0 Supplier: TCI America
 Tox21_ID No.: Tox21_202593 Lot No.: GF01
 NTP_CID No.: 4503 MW: 467.43 g/mol

Dates of Analysis:
 LC/UV: 04 January 2017
 LC/MS: 23 December 2016

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	54.17	4.25	CAS 13927-77-0	56.26	74.01
Unknown	54.52	9.42	Unknown	58.99	8.79
Unknown	55.31	3.53			

^a Peaks comprising ≥ 0.5% of total area.

Instrument Parameters:

Instrument / Ionization	Shimadzu UPLC; Micromass Quattro II / ESI+
Solvent	Acetone
Column	Grace Alltima C18, 5 µm, 250 mm x 4.6 mm ID
Injection Volume / Detection	10 µL / 254 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 – 1000 amu
Acquisition Software	LC/UV – LabSolutions, v 5.71.SP1; LC/MS – MassLynx 4.0

