

### Chemical Information:

Name: Ethidium bromide

Date of Analysis: 10 May 2010

CAS No.: 1239-45-8

Supplier: Sigma Aldrich

Tox21\_ID No.: Tox21\_202511

Lot No.: 02120KC

NTP\_CID No.: 778

MW: 394.31 g/mol

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
unknown	21.21	3.19
Ethidium bromide	22.36	94.48
unknown	24.18	1.59

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

### LC/MS Instrument Parameters:

Instrument / Ionization	Micromass Quattro II with Shimadzu HPLC / ESI+
Solvent	Methanol
Column	Grace HP C18-AQ, 5 µm, 250 mm x 2.1 mm ID
Injection Volume	20 µL
Mobile Phase	95/5 (A) and 5/95 (B) Water/acetonitrile 2 mM ammonium formate, pH 3; acetonitrile (C)
Program / Flow Rate	100/0/0 A/B/C for 1 min; 0/100/0 at 35 min, hold 2 min; 0/0/100 at 37.1 min, hold 3 min; 100/0/0 at 40 min, hold 5 min / 0.2 mL/min
Cone / Capillary	25 V / 3.0 kV
Source Temperature	125°C
Desolve Temperature	325°C
Scan Range	65 – 1100 amu
Acquisition Software	MassLynx, v 4.0

