

Chemical Information:

Name: Cyclophosphamide monohydrate
CAS No.: 6055-19-2 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_201503 Lot No.: 084K1328
NTP_CID No.: 672 MW: 279.10 g/mol

Date of Analysis: 29 July 2009

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Cyclophosphamide monohydrate	16.58	100

^a Peaks comprising $\geq 0.5\%$ of total area.

LC/MS Instrument Parameters:

Instrument / Ionization	Micromass Quattro II with Shimadzu HPLC / ESI+
Solvent	Methanol
Column	Grace HP C18-AQ, 5 μ m, 250 mm x 2.1 mm ID
Injection Volume	20 μ L
Mobile Phase	Water (A) / acetonitrile (B)
Program / Flow Rate	95/5 A/B for 1 minute; 10/90 in 20 minutes, hold 1 minute / 0.2 mL/minute
Cone / Corona	40 V / 3.5 kV
Source Temperature	140°C
Probe Temperature	325°C
Scan Range	84 – 1400 amu
Acquisition Software	MassLynx, v 4.0

