

Chemical Information:

Name: 2-Amino-4-thiazoleacetic acid
CAS No.: 29676-71-9 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_200900 Lot No.: 06230LC
NTP_CID No.: 212 MW: 158.18 g/mol

Date of Analysis: 26 August 2015

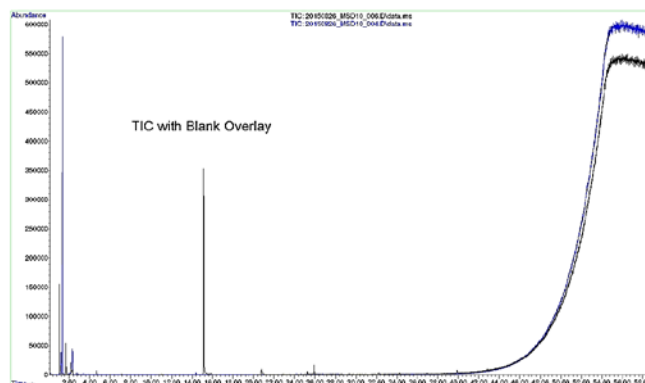
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2-Amino-4-thiazoleacetic acid	15.12	99.05
Unknown	20.78	0.95

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol (~ 400 µg/mL)
Column	Restek Rtx-5MS, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	59 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014



Note: Peak at 25.91 minutes is barbital carryover from a previous injection; not relevant to this analysis. Mass spectra for observed peaks other than the major component contain ions such as m/z 73, 207, 253, 281, and 341, consistent with column/septum bleed.

