

Chemical Information:

Name: Proflavin hydrochloride
CAS No.: 952-23-8 Supplier: Alfa Aesar
Tox21_ID No.: Tox21_200513 Lot No.: 16806CB
NTP_CID No.: 4690 MW: 245.71 g/mol

Date of Analysis: 24 August 2015

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Dichloromethane	1.70	Not applicable
Proflavin hydrochloride ^b	50.04	99.66

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

^b Proflavin identified by GC/MS

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol (~ 400 $\mu\text{g/mL}$)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 450 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

