



## 3. Impurity

### Method Conditions

**Column:** Cogent Diamond Hydride™, 4µm, 100A

**Catalog No.:** 70000-7.5P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:**

A: DI Water / 0.1% Trifluoroacetic Acid (v/v)

B: Acetonitrile/ 0.1% Trifluoroacetic Acid (v/v)

**Gradient:**

Time (minutes)	%B
0	95
1	95
6	40
7	95

**Post Time:** 3 minutes

**Injection Vol.:** 1µL

**Flow Rate:** 1.0mL / minute

**Detection:** UV @ 205nm

**Sample Preparation:** 1.0mg / mL Streptomycin Sulfate reference standard in Solvent A diluent.

**t<sub>0</sub>:** 0.9 minutes

**Note:** Streptomycin is an aminoglycoside antibiotic derived from the Actinobacterium *Streptomyces Griseus*. Streptomycin was isolated in 1943 and was the first antibiotic to treat tuberculosis.



Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 07-22-2024