

Azithromycin Impurity D  
Azi/imp-D/225  
13C-NMR\DMSO  
19-DEC-2018

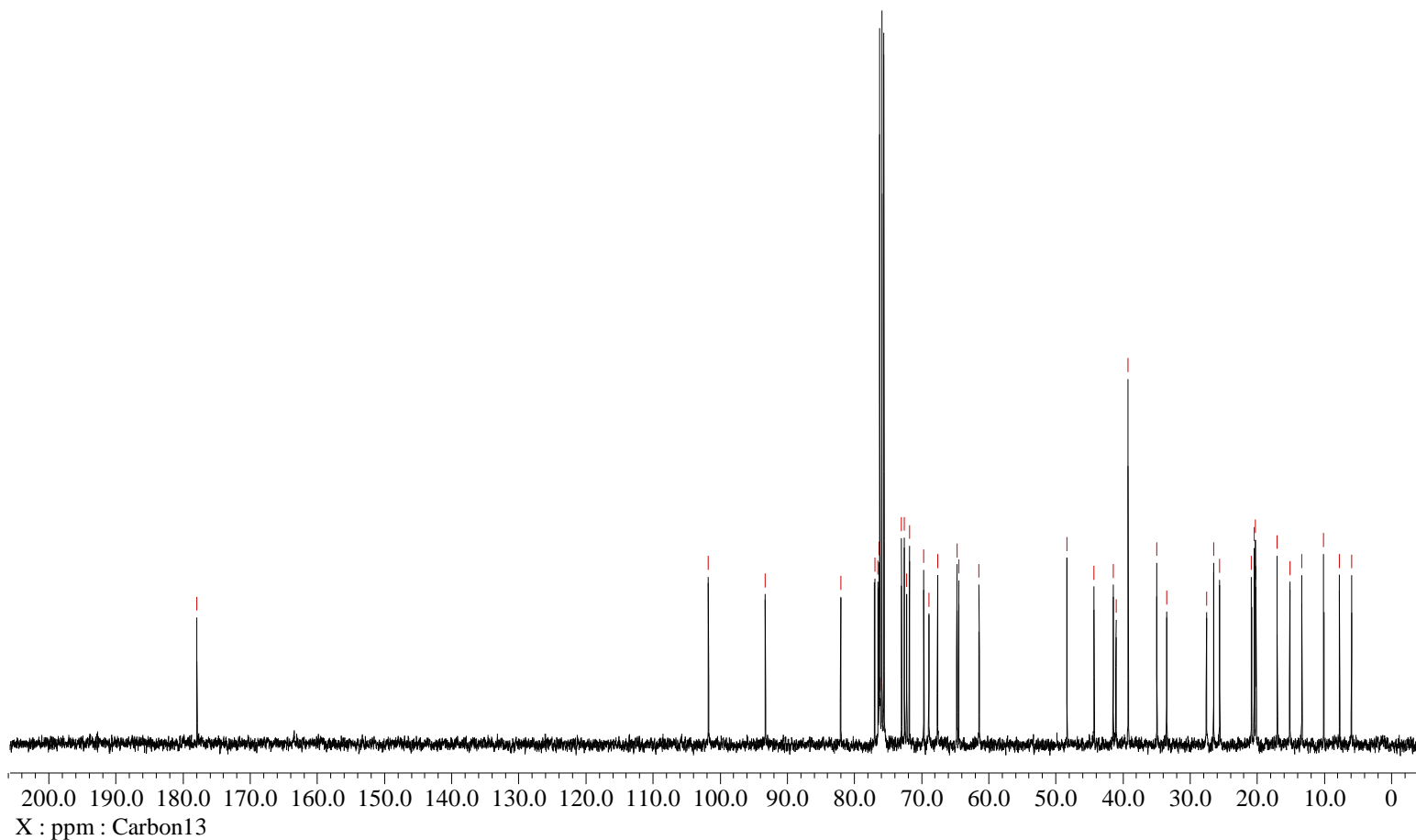
177.942

101.771  
93.271  
77.000  
76.348  
72.994  
72.568  
71.830  
69.676  
67.635  
64.746  
64.480  
48.352  
44.309  
41.455  
39.230  
34.951  
33.492  
26.499  
20.855  
20.464  
20.249  
17.027  
13.356  
10.101  
7.748  
5.956

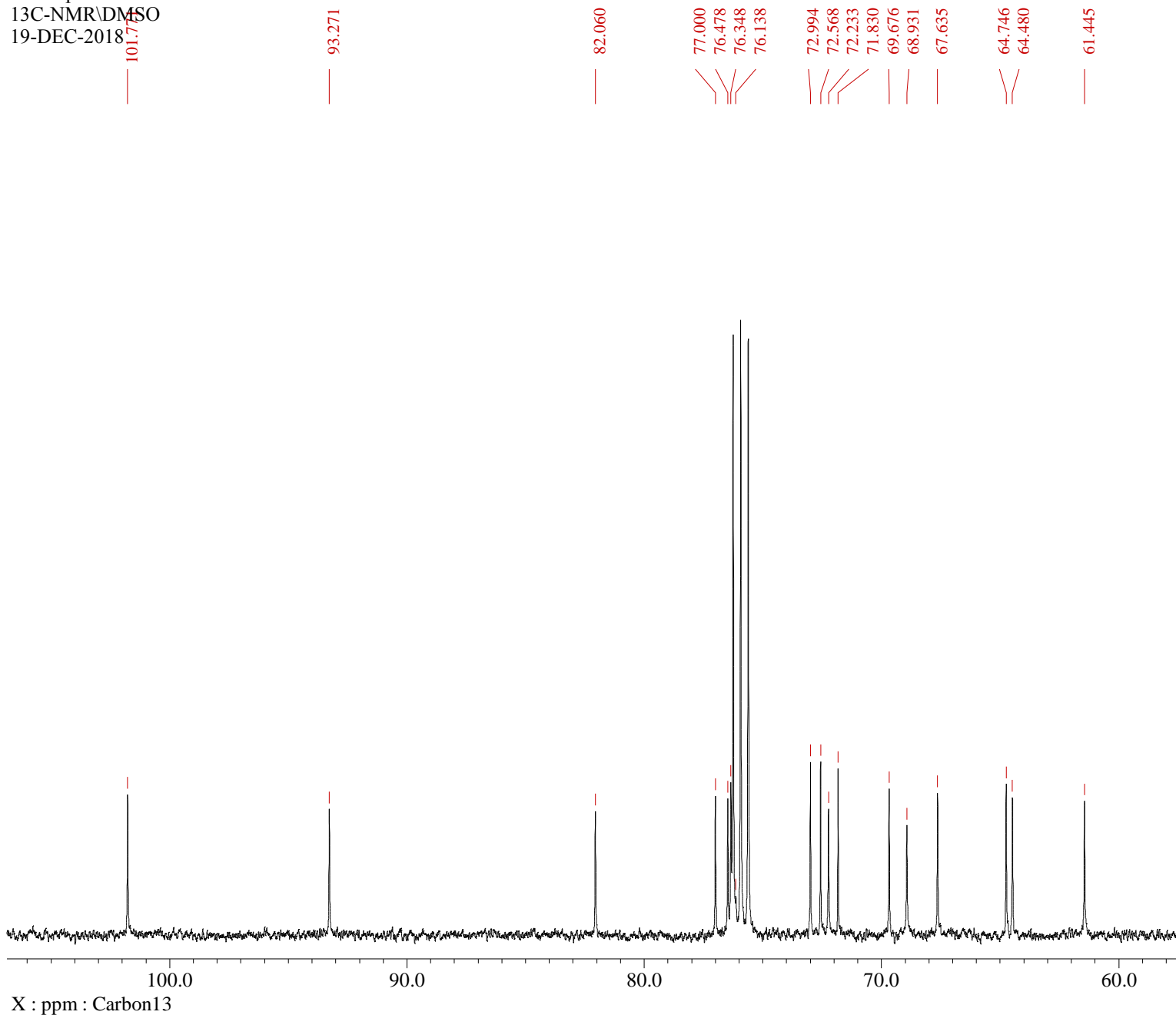
```
---- PROCESSING PARAMETERS ----  
sexp( 2.0[Hz], 0.0[s] )  
trapezoid( 0[%], 0[%], 80[%], 100[%] )  
zerofill( 4 )  
fft( 1, TRUE, TRUE )  
machinephase  
ppm  
auto_reference( 5[%], TRUE )
```

Derived from: AZI-D-011018\_carbon-1-1.jdf

```
Filename      = AZI-D-011018_carbon-1-  
Instrument    = NMR-400MHz(JEOL)  
Instrument id = NMR-01  
Author       = msn1385  
Reviewed by  = Jaipal Reddy  
Solvent      = CHLOROFORM-D  
Spectrometer = JNM-ECZ400S/L1  
Experiment   = carbon.jxp  
Creation_Time = 19-DEC-2018 09:44:08  
Revision_Time = 19-DEC-2018 17:37:11  
Acquisition Parameter  
X_Domain     = Carbon13  
X_Offset     = 100[ppm]  
X_Sweep      = 31.56565657[kHz]  
Scans        = 260  
Relaxation_Delay = 2[s]
```



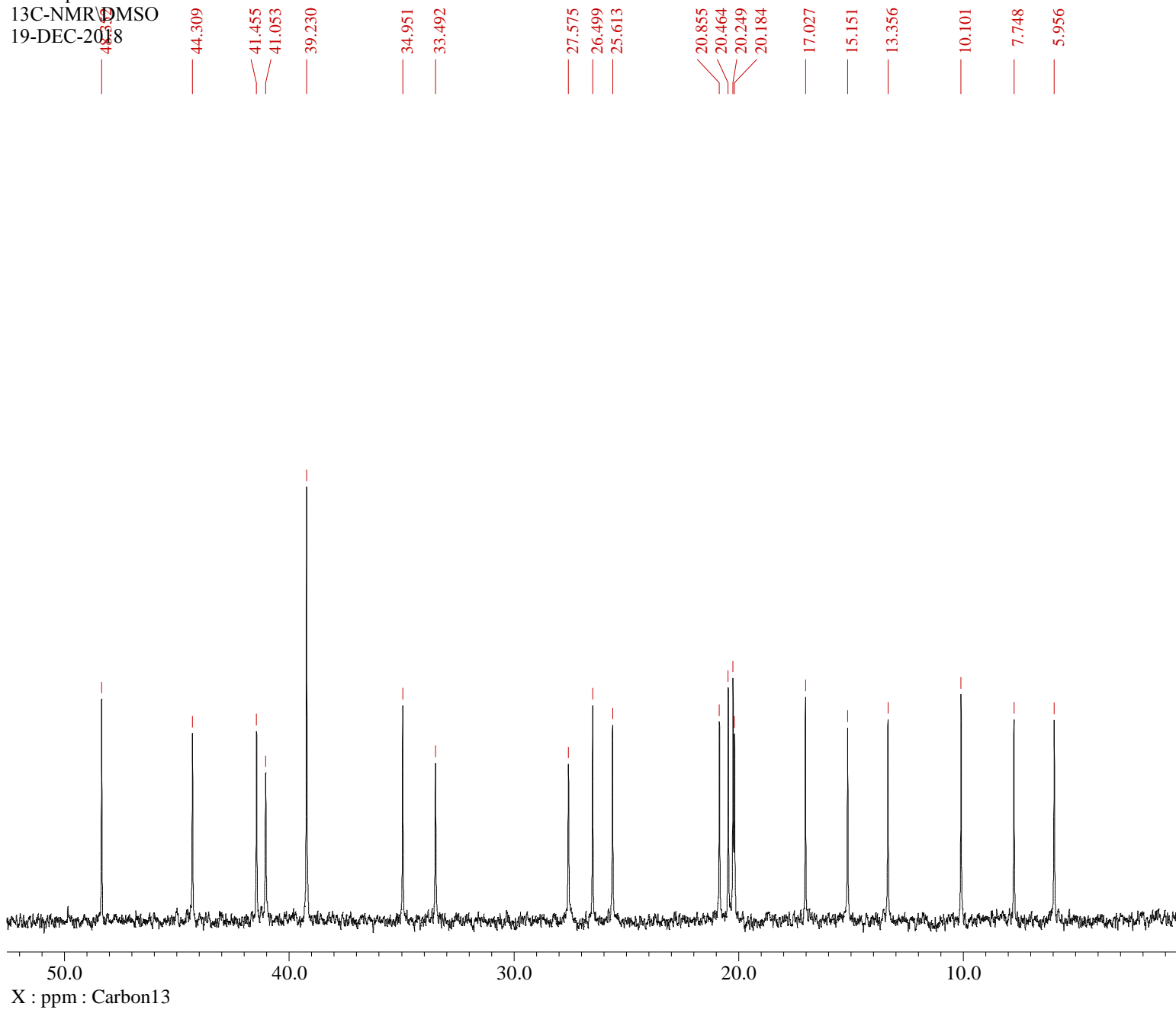
Azithromycin Impurity D  
Azi/imp-D/225  
13C-NMR\DMSO  
19-DEC-2018



```
---- PROCESSING PARAMETERS ----  
sexp( 2.0[Hz], 0.0[s] )  
trapezoid( 0[%], 0[%], 80[%], 100[%] )  
zerofill( 4 )  
fft( 1, TRUE, TRUE )  
machinephase  
ppm  
auto_reference( 5[%], TRUE )  
  
Derived from: AZI-D-011018_carbon-1-1.jdf
```

```
Filename      = AZI-D-011018_carbon-1-  
Instrument    = NMR-400MHz(JEOL)  
Instrument id = NMR-01  
Author       = msn1385  
Reviewed by  = Jaipal Reddy  
Solvent      = CHLOROFORM-D  
Spectrometer = JNM-ECZ400S/L1  
Experiment   = carbon.jxp  
Creation_Time = 19-DEC-2018 09:44:08  
Revision_Time = 19-DEC-2018 17:37:11  
Acquisition Parameter  
X_Domain     = Carbon13  
X_Offset     = 100[ppm]  
X_Sweep      = 31.56565657[kHz]  
Scans        = 260  
Relaxation_Delay = 2[s]
```

Azithromycin Impurity D  
Azi/imp-D/225  
13C-NMR DMSO  
19-DEC-2018



```
---- PROCESSING PARAMETERS ----  
sexp( 2.0[Hz], 0.0[s] )  
trapezoid( 0[%], 0[%], 80[%], 100[%] )  
zerofill( 4 )  
fft( 1, TRUE, TRUE )  
machinephase  
ppm  
auto_reference( 5[%], TRUE )
```

Derived from: AZI-D-011018\_carbon-1-1.jdf

```
Filename      = AZI-D-011018_carbon-1-  
Instrument    = NMR-400MHz(JEOL)  
Instrument id = NMR-01  
Author       = msn1385  
Reviewed by  = Jaipal Reddy  
Solvent      = CHLOROFORM-D  
Spectrometer = JNM-ECZ400S/L1  
Experiment   = carbon.jxp  
Creation_Time = 19-DEC-2018 09:44:08  
Revision_Time = 19-DEC-2018 17:37:11  
Acquisition Parameter  
X_Domain     = Carbon13  
X_Offset     = 100[ppm]  
X_Sweep      = 31.56565657[kHz]  
Scans        = 260  
Relaxation_Delay = 2[s]
```