



Brand: ChemWhat

Series: STD

High-quality Analytical Reagents

Website: [www.chemwhat.com](http://www.chemwhat.com)

Email: [contact@chemwhat.com](mailto:contact@chemwhat.com)

## CERTIFICATE OF ANALYSIS (COA)

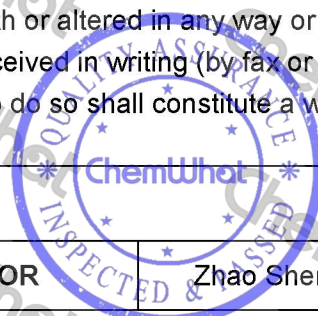
|                 |                          |             |                     |
|-----------------|--------------------------|-------------|---------------------|
| PRODUCT NAME    | Everolimus EP Impurity D |             |                     |
| CAS NUMBER      | 159351-69-67             | STANDARD    | Enterprise Standard |
| BATCH NUMBER    | WI22020101               | QUANTITY    | 60mg                |
| PRODUCTION DATE | 2022.02.01               | TEST DATE   | 2022.02.02          |
| PACKAGING       | Per request              | RETEST DATE | 2025.01.31          |

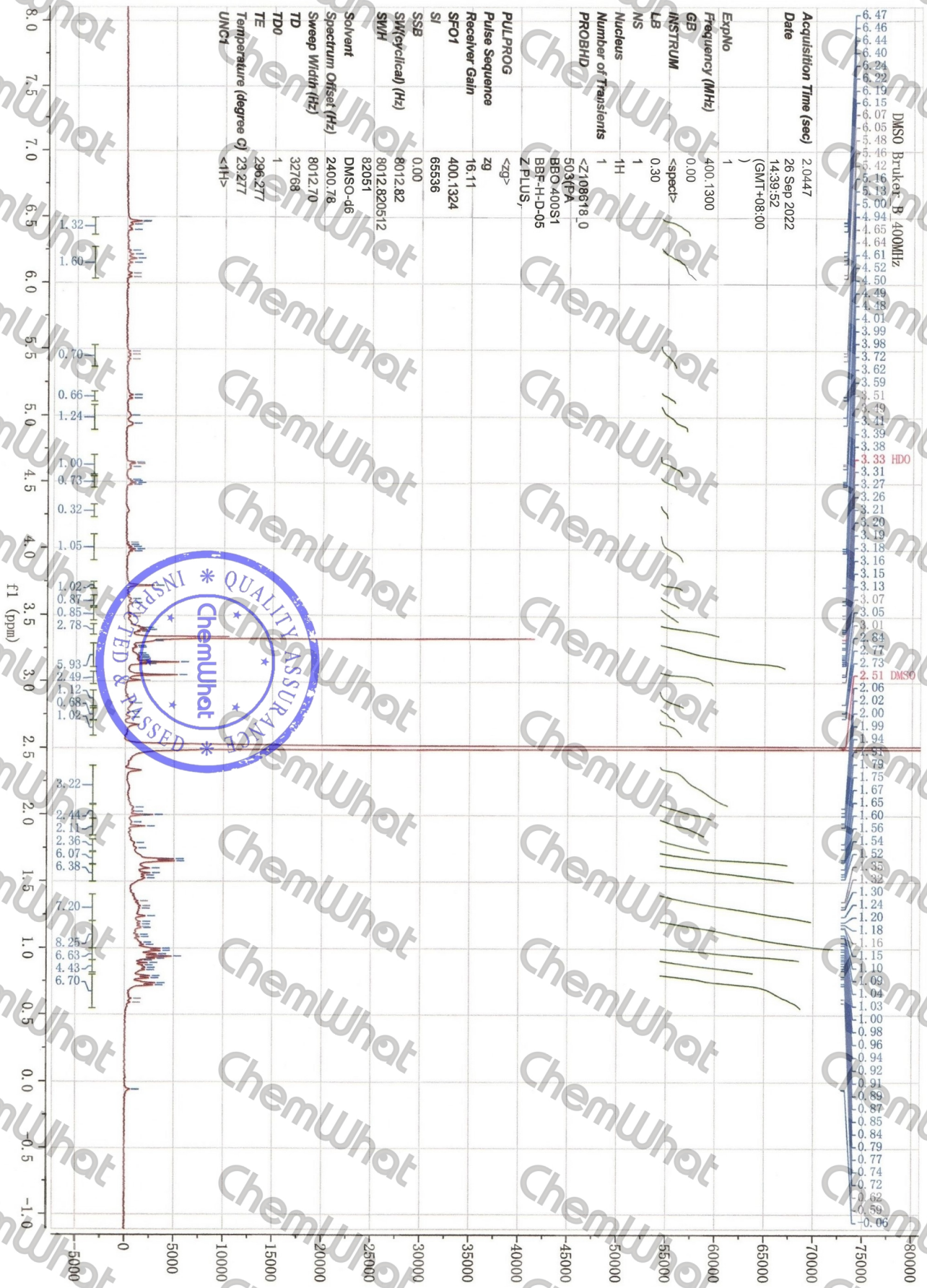
|            |                                                          |             |
|------------|----------------------------------------------------------|-------------|
| TEST ITEMS | SPECIFICATIONS                                           | RESULTS     |
| APPEARANCE | White Solid                                              | White Solid |
| MS         | Conforms to structure                                    | Conform     |
| NMR        | Conforms to structure                                    | Conform     |
| PURITY     | ≥90%                                                     | 92.8%       |
| CONCLUSION | Analyzed, this product complies with Enterprise Standard |             |

|         |                                             |
|---------|---------------------------------------------|
| STORAGE | Store at 2-8°C, sealed and away from light. |
|---------|---------------------------------------------|

"ChemWhat" has been acquired by Watson and is now acting as a sub-brand under Watson International. WATSON INTERNATIONAL warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. WATSON's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way or which has been misused or damaged by accident or negligence. All claims must be received in writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

|          |          |            |                |
|----------|----------|------------|----------------|
| ANALYZER | Wu Yujie | SUPERVISOR | Zhao Shenjiang |
|----------|----------|------------|----------------|





Acquisition Time (sec) 2.0447  
Date 26 Sep 2022  
14:39:52  
(GMT+08:00)

ExpNo 1  
Frequency (MHz) 400.1300  
GB 0.00  
INSTRUM <spect>  
LB 0.30  
NS 1  
Nucleus 1H  
Number of Transients 1  
PROBHD <Z108618.0  
503PFA  
BBO 400S1  
BBF-H-D-05  
Z-PLUS

PULPROG <zg>  
Pulse Sequence zg  
Receiver Gain 16.11  
SFO1 400.1324  
SI 65536  
SSB 0.00  
SVCYCICAL (Hz) 8012.82  
SMH 8012.820512

Solvent DMSO-d6  
Spectrum Offset (Hz) 2400.78  
Sweep Width (Hz) 8012.70  
TD 32768  
TE 296.277  
Temperature (degree c) 23.277  
UNCI <1H>



EX: zgpg30  
F1: 100.627  
F2: 1.000  
SW: 24038  
PW: 14.0 us  
PD: 2.0 sec  
OET: 3030.6  
NA: 706  
LB: 1.0  
PTSID: 32768  
Nuts - \$NMR-C13-YW-009-96-CDCL3

USER: fx -- DATE: 2022-02-18 11:23:08.209



## Qualitative Analysis Report

### User Spectra

Fragmentor Voltage

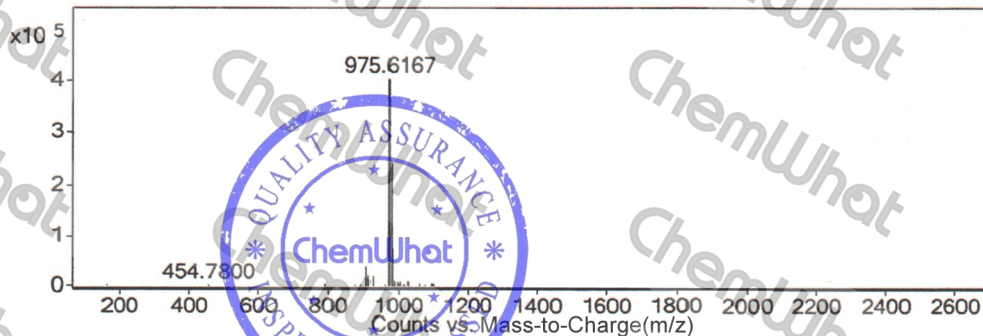
150

Collision Energy

0

Ionization Mode

ESI



### Peak List

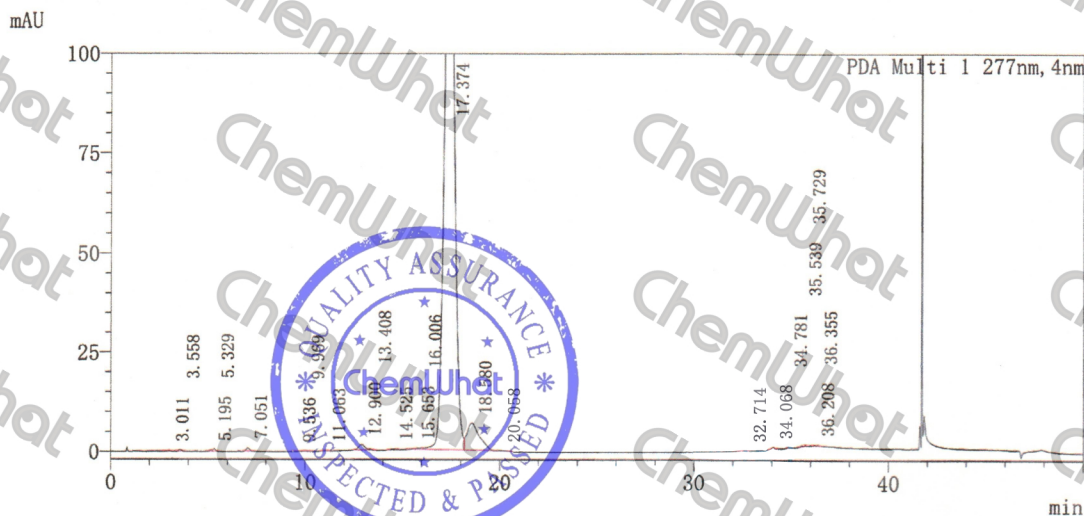
| m/z      | z | Abund     |
|----------|---|-----------|
| 908.5517 | 1 | 40991.98  |
| 909.5548 | 1 | 23118.21  |
| 926.5618 | 1 | 19058.59  |
| 975.6167 | 1 | 402918.06 |
| 976.6195 | 1 | 243732.98 |
| 977.6221 | 1 | 74843.26  |
| 978.624  | 1 | 16192.42  |
| 980.5707 | 1 | 74030.41  |
| 981.5755 | 1 | 44826.55  |
| 982.5779 | 1 | 17199.35  |

SHIMADZU  
LabSolutions Analysis Report

## &lt;Sample Information&gt;

Sample Name :  
Sample ID :  
Data Filename : D:\SHIMADZU\DATA\YW\202202\0204\YW-009-96.1cd  
Method Filename : D:\SHIMADZU\METHOD\YW\YW-API\YW-API-13.1cm  
Batch Filename : D:\SHIMADZU\SEQUENCE\202202\20220204.1cb  
Vial# : 1-31  
Injection Volume : 3 µl  
Date Acquired : 2022/2/4 16:26:45  
Date Processed : 2022/2/4 17:16:49  
Acquired by : FX  
Processed by : FX

## &lt;Chromatogram&gt;



## PDA Ch1 277nm

| Peak | Ret. Time | Area    | Height | Area%  | Plant/M | Trail | Resolution | Purity     |
|------|-----------|---------|--------|--------|---------|-------|------------|------------|
| 1    | 3.011     | 1980    | 147    | 0.034  | 1097    | 0.788 | ---        | t be calcu |
| 2    | 3.558     | 4407    | 400    | 0.076  | 2091    | 1.533 | 1.623      | t be calcu |
| 3    | 5.195     | 2648    | 340    | 0.046  | 458     | ---   | 2.551      | t be calcu |
| 4    | 5.329     | 5824    | 653    | 0.101  | 5530    | ---   | 0.214      | t be calcu |
| 5    | 7.051     | 11243   | 897    | 0.195  | 6659    | 1.165 | 5.446      | t be calcu |
| 6    | 9.536     | 766     | 51     | 0.013  | 6326    | ---   | 6.023      | t be calcu |
| 7    | 9.969     | 3215    | 133    | 0.056  | 3411    | ---   | 0.745      | t be calcu |
| 8    | 11.063    | 1804    | 109    | 0.031  | 11145   | 0.841 | 1.984      | t be calcu |
| 9    | 12.900    | 33325   | 1436   | 0.578  | 6930    | ---   | 3.536      | t be calcu |
| 10   | 13.408    | 3806    | 249    | 0.066  | 2168    | ---   | 0.573      | t be calcu |
| 11   | 14.525    | 3611    | 168    | 0.063  | 9703    | 0.950 | 1.282      | t be calcu |
| 12   | 15.653    | 4210    | 266    | 0.073  | ---     | ---   | ---        | t be calcu |
| 13   | 16.006    | 8133    | 414    | ---    | ---     | ---   | ---        | t be calcu |
| 14   | 17.374    | 5352850 | 151748 | 92.834 | 5561    | 1.086 | ---        | 1.000      |
| 15   | 18.580    | 307225  | 6870   | 5.328  | 3769    | ---   | 1.125      | 0.988      |
| 16   | 20.058    | 4527    | 140    | 0.079  | 10363   | 1.592 | 1.479      | t be calcu |
| 17   | 32.714    | 1795    | 39     | 0.031  | 36960   | 0.575 | 17.233     | t be calcu |
| 18   | 34.068    | 5850    | 450    | 0.101  | 160136  | 0.926 | 2.652      | t be calcu |
| 19   | 34.781    | 1158    | 144    | 0.020  | 399486  | 0.969 | 2.545      | t be calcu |
| 20   | 35.539    | 2209    | 261    | 0.038  | 372402  | ---   | 3.347      | t be calcu |
| 21   | 35.729    | 1820    | 155    | 0.032  | 8237    | ---   | 0.210      | t be calcu |
| 22   | 36.208    | 1568    | 221    | 0.027  | 316030  | ---   | 0.523      | t be calcu |

| Peak  | Ret. Time | Area    | Height | Area%   | Plant M | Trail | Resolution | Purity     |
|-------|-----------|---------|--------|---------|---------|-------|------------|------------|
| 23    | 36.355    | 2092    | 238    | 0.036   | 834060  | —     | 0.576      | t be calcu |
| Total |           | 5766066 | 165529 | 100.000 |         |       |            |            |

