

# High Performance Liquid Chromatography

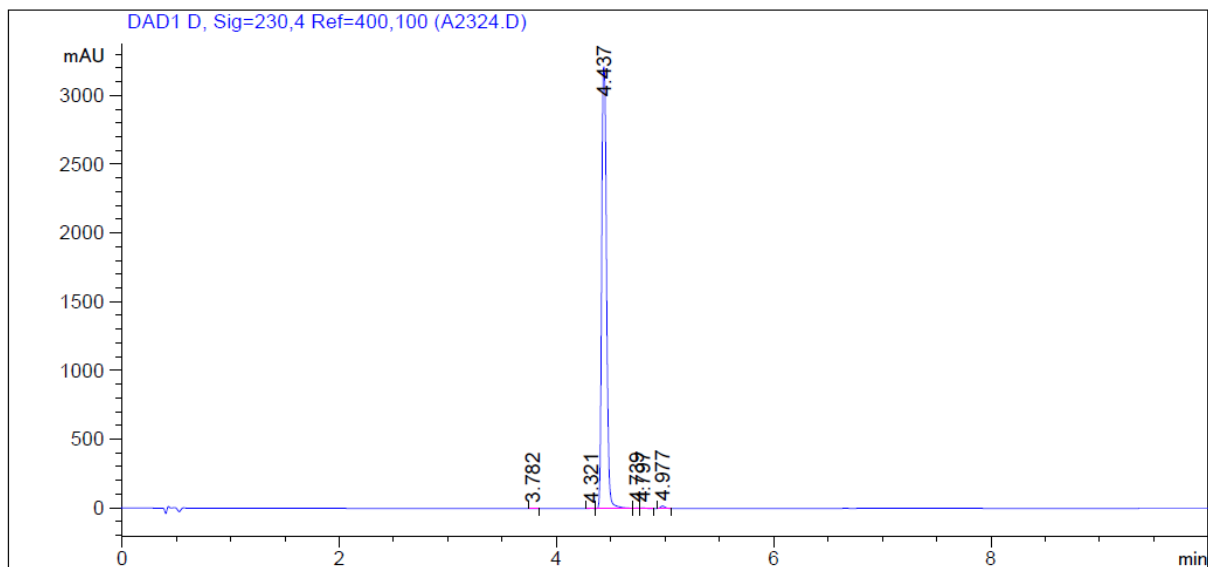
## 1. Analysis Information

|                 |                      |
|-----------------|----------------------|
| Product Name:   | Dexamethasone (DHAP) |
| Operator:       | David                |
| Injection Date: | 9/7/2016 11:25:09 PM |
| Batch No.:      | 1                    |

## 2. HPLC Condition

| Column:     | Athena C18, 3 $\mu$ m, 2.1mm $\times$ 100 mm                                                                                                                                                                                                                                                                                        |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---|---|--------|-----|-----|--------|-----|----|----------|-----|----|---------|------|------|
| Solvent A:  | 0.1% H <sub>3</sub> PO <sub>4</sub> in 100% Acetonitrile                                                                                                                                                                                                                                                                            |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| Solvent B:  | 0.1% H <sub>3</sub> PO <sub>4</sub> in 100% Water                                                                                                                                                                                                                                                                                   |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| Gradient:   | <table border="1"> <thead> <tr> <th>Time</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>0.0min</td> <td>10%</td> <td>90%</td> </tr> <tr> <td>6.0min</td> <td>95%</td> <td>5%</td> </tr> <tr> <td>10.0 min</td> <td>95%</td> <td>5%</td> </tr> <tr> <td>10.0min</td> <td>Stop</td> <td>Stop</td> </tr> </tbody> </table> |      | Time | A | B | 0.0min | 10% | 90% | 6.0min | 95% | 5% | 10.0 min | 95% | 5% | 10.0min | Stop | Stop |
| Time        | A                                                                                                                                                                                                                                                                                                                                   | B    |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| 0.0min      | 10%                                                                                                                                                                                                                                                                                                                                 | 90%  |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| 6.0min      | 95%                                                                                                                                                                                                                                                                                                                                 | 5%   |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| 10.0 min    | 95%                                                                                                                                                                                                                                                                                                                                 | 5%   |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| 10.0min     | Stop                                                                                                                                                                                                                                                                                                                                | Stop |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| Flow rate:  | 0.5ml/min                                                                                                                                                                                                                                                                                                                           |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| Wavelength: | 230nm                                                                                                                                                                                                                                                                                                                               |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |
| Volume:     | 10 $\mu$ l                                                                                                                                                                                                                                                                                                                          |      |      |   |   |        |     |     |        |     |    |          |     |    |         |      |      |

## 3. Result



| Rank | RetTime(min) | Area(mAU*s) | Area %  |
|------|--------------|-------------|---------|
| 1    | 3.782        | 2.52880     | 0.0252  |
| 2    | 4.321        | 5.17919     | 0.0515  |
| 3    | 4.437        | 9970.30762  | 99.2189 |
| 4    | 4.739        | 8.80854     | 0.0877  |
| 5    | 4.797        | 12.72987    | 0.1267  |
| 6    | 4.977        | 49.24545    | 0.4901  |