

High Performance Liquid Chromatography

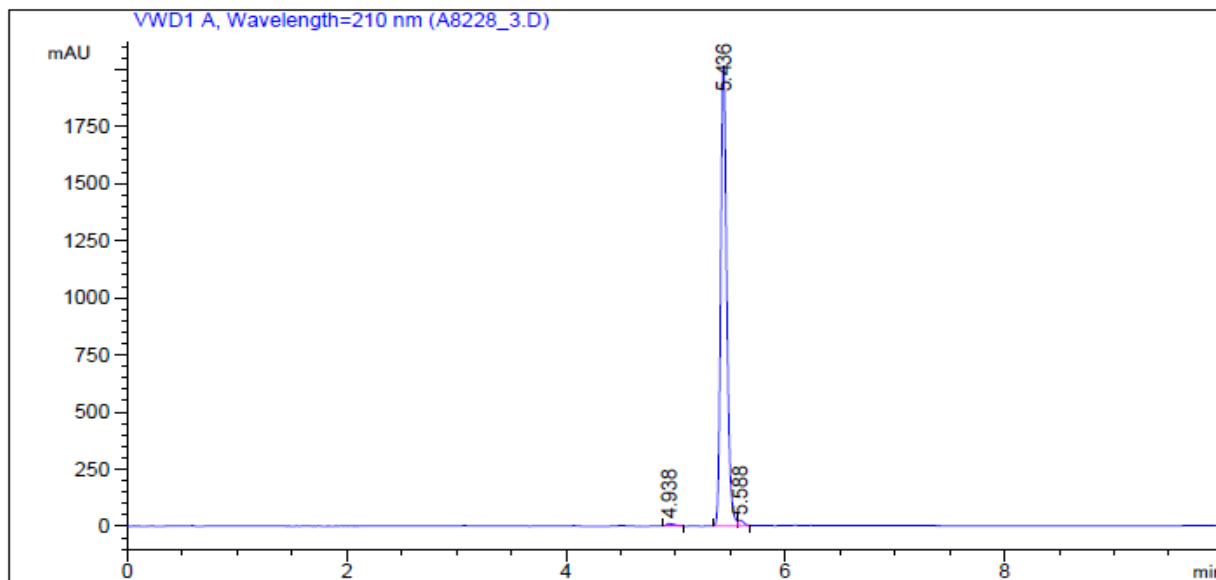
1. Analysis Information

| | |
|-----------------|----------------------|
| Product Name: | Purmorphamine |
| Operator: | David |
| Injection Date: | 6/27/2014 3:42:47 PM |
| Batch No.: | 3 |

2. HPLC Condition

| Column: | Athena C18, 3 μ m, 2.1mm \times 100 mm | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------|------|---|---|--------|-----|-----|--------|-----|----|--------|-----|----|--------|-----|-----|---------|-----|-----|---------|------|------|
| Solvent A: | 0.1% H3PO4 in 100% Acetonitrile | | | | | | | | | | | | | | | | | | | | | | |
| Solvent B: | 0.1% H3PO4 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>3.5min</td> <td>95%</td> <td>5%</td> </tr> <tr> <td>8.0min</td> <td>95%</td> <td>5%</td> </tr> <tr> <td>9.0min</td> <td>10%</td> <td>90%</td> </tr> <tr> <td>10.0min</td> <td>10%</td> <td>90%</td> </tr> <tr> <td>10.0min</td> <td>Stop</td> <td>Stop</td> </tr> </tbody> </table> | | Time | A | B | 0.0min | 10% | 90% | 3.5min | 95% | 5% | 8.0min | 95% | 5% | 9.0min | 10% | 90% | 10.0min | 10% | 90% | 10.0min | Stop | Stop |
| Time | A | B | | | | | | | | | | | | | | | | | | | | | |
| 0.0min | 10% | 90% | | | | | | | | | | | | | | | | | | | | | |
| 3.5min | 95% | 5% | | | | | | | | | | | | | | | | | | | | | |
| 8.0min | 95% | 5% | | | | | | | | | | | | | | | | | | | | | |
| 9.0min | 10% | 90% | | | | | | | | | | | | | | | | | | | | | |
| 10.0min | 10% | 90% | | | | | | | | | | | | | | | | | | | | | |
| 10.0min | Stop | Stop | | | | | | | | | | | | | | | | | | | | | |
| Flow rate: | 0.4ml/min | | | | | | | | | | | | | | | | | | | | | | |
| Wavelength: | 210nm | | | | | | | | | | | | | | | | | | | | | | |
| Volume: | 10 μ l | | | | | | | | | | | | | | | | | | | | | | |

3. Result



| Rank | RetTime(min) | Area(mAU*s) | Area % |
|------|--------------|-------------|---------|
| 1 | 4.938 | 59.58685 | 0.7520 |
| 2 | 5.436 | 7778.47217 | 98.1676 |
| 3 | 5.588 | 85.60755 | 1.0804 |