

# Specification

Technical Data Sheet

|                                  |                                            |                                          |
|----------------------------------|--------------------------------------------|------------------------------------------|
| <b>CAS</b><br><b>328898-40-4</b> | <b>STORAGE</b><br><b>2 to 8 &amp;deg;C</b> | <b>MOLECULAR WEIGHT</b><br><b>734.02</b> |
|----------------------------------|--------------------------------------------|------------------------------------------|

**PRODUCT****Tildipirosin**

|                          |              |
|--------------------------|--------------|
| <b>Product number</b>    | 90026251     |
| <b>CAS number</b>        | 328898-40-4  |
| <b>Molecular formula</b> | C41H71N3O8   |
| <b>Molecular weight</b>  | 734.02 g/mol |

| PARAMETER                          | SPECIFICATION                         |
|------------------------------------|---------------------------------------|
| <b>Appearance</b>                  | White to off-white crystalline powder |
| <b>Acetone</b>                     | ≤ 5000ppm                             |
| <b>Heavy metals</b>                | ≤ 20ppm                               |
| <b>Identification</b>              | Conforms to reference                 |
| <b>pH</b>                          | 9.0 - 11.0                            |
| <b>Water</b>                       | ≤ 1.0%                                |
| <b>Dichloromethane</b>             | ≤ 600ppm                              |
| <b>Sulphated Ash</b>               | ≤ 0.5%                                |
| <b>Total Impurities</b>            | ≤ 3.0%                                |
| <b>Any individual impurity</b>     | ≤ 0.5%                                |
| <b>Assay (HPLC) on Dried Basis</b> | ≥ 98.0%                               |

|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SPECIFICATION STATEMENT</b> | The values stated above represent the standard specification for this product, issued under <b>Molekula Ltd</b> 's quality management system. Batch-specific results are provided on the Certificate of Analysis. |
| <b>STORAGE</b>                 | Store as indicated on the product label, away from light, moisture and incompatible materials.                                                                                                                    |

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