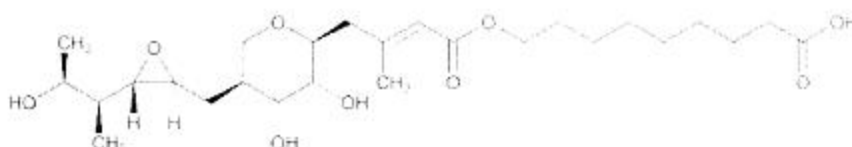


Batch no 2204202MP
 Mf date Apr 07 2022
 Expiry Apr 06 2026

Molecular Structure



Molecular Formula $C_{26}H_{44}O_9$
 Molecular Weight 500.62
 CAS Registry Number 12650-69-0

Dec 26 2022

| Tests | Specifications | Results | |
|--------------------|------------------------------------|------------------|----------|
| Appearance | White or off-white powder | Off-white powder | |
| Identification | IR | Positive | |
| Crystallinity | Meets the requirements | Conforms | |
| pH | 3.5 ~ 4.5 | 3.9 | |
| Related substances | Impurity A | ≤ 1.0% | ND |
| | Impurity B | ≤ 1.0% | 0.7% |
| | Impurity C | ≤ 4.0% | 1.3% |
| | Impurity D | ≤ 1.0% | 0.1% |
| | Impurity E | ≤ 1.0% | 0.2% |
| | Impurity F | ≤ 1.0% | 0.6% |
| | Single unknown impurity | ≤ 1.0% | 0.1% |
| | Total impurities | ≤ 6.0% | 2.9% |
| Water | ≤ 1.0% | 0.1% | |
| Residual solvents | Ethyl acetate | ≤ 500 ppm | 141 ppm |
| | Isobutyl acetate | ≤ 5000 ppm | 1367 ppm |
| | Heptane | ≤ 500 ppm | 44 ppm |
| | Acetone | ≤ 500 ppm | 4 ppm |
| Assay (oab) | 92.0 ~ 102.0% of $C_{26}H_{44}O_9$ | 99.1% | |

| | |
|---------------------|--------------------------------------|
| Packaging & storage | Store at 2 ~ 8°C and away from light |
| Conclusion | Material complies with USP43 |