



Micronomicin sulfate PRODUCT DATA SHEET

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| Product Name: | Micronomicin sulfate |
| Product Number: | M018 |
| CAS Number: | 66803-19-8 |
| Molecular Formula: | $C_{20}H_{41}N_5O_7 \cdot 2.5H_2SO_4$ |
| Molecular Weight: | 708.65 |
| Form: | Powder |
| Appearance: | White to off-white powder |
| Source: | <i>Micromonospora sagamiensis</i> |
| pH: | 3.5 - 5.5 |
| Optical Rotation: | +110° to +130° |
| Storage Conditions: | 2-8°C |
| Description: | Micronomicin sulfate is an aminoglycoside antibiotic commonly used against gram negative bacteria. Micronomicin sulfate is freely soluble in water. |
| Mechanism of Action: | Aminoglycoside antibiotics target the 30S ribosomal subunit resulting in an inability to read mRNA ultimately producing a faulty or nonexistent protein. |
| References: | Davis, Bernard D. "Mechanism of Bactericidal Action of Aminoglycosides." <i>Microbiological Reviews</i> 51.3 (1987): 341-50. |

If you need any help, contact us: info@toku-e.com. Find more information on: www.toku-e.com/