

**Geneticin Disulfate, G418 (i88019)**

Effective antibiotic against gram-negative bacteria.

<b>CAS Number</b>	108321-42-2	<b>EC Number</b>	-
<b>Formula</b>	C <sub>20</sub> H <sub>44</sub> N <sub>4</sub> O <sub>18</sub> S <sub>2</sub>	<b>Molecular Weight</b>	692.71 g/mol
<b>Expiration Date*</b>	1 Year		

\*The expiration date of a standard is defined as the amount of time that it should remain in use after opening depending on the standard condition

**Storage** Keep container tightly closed in a dry, cool and well-ventilated place. Protected from light.

Test	Specification
Appearance	White powder
pH	no data available
Solubility in water	50 g/l (25°C)
Assay (HPLC)	Min. 97.0%
Specific Optical Rotation [alpha] <sub>D</sub> (c = 1 in water, 20 °C)	104.0-122.0
Sodium Hydroxide Titration (0.1 mol/L) (calculated on dry matter)	96.0-103.0%
FT-IR Spectrum	Conforms to Standards