



## Product Specification

**Mode of action:** Binds to the prokaryotic 30S and eukaryotic 80S ribosomal subunits and affects the fidelity of translation

**Spectrum:**

- Gram (+) prokaryotes
- Gram (-) bacilli aerobes and facultative anaerobes, only.
- Eukaryotes

**Microbiological potency:** Liquid: 50 µg /mL  
Powder: >700 µg/mg  
G418 is soluble in water (50mg/mL)

**Conferred Resistance:** Aminoglycoside-modifying enzymes and change in cell permeability or a change in ribosomal structure

**Molecular weight:** 692.7

**Formula:** C<sub>20</sub>H<sub>40</sub>N<sub>4</sub>O<sub>10</sub> \* 2H<sub>2</sub>SO<sub>4</sub>

**Appearance:** Liquid: Colourless  
Powder: White to off-white

**Working Concentration:** 100 to 5,000 µg/mL

**Storage and Stability:** Liquid: 2°C to 8°C  
Powder: 15°C to 30°C  
Protected from light

## Ordering information

Cat. No.	Description	Unit Size	Qty/Pk
30-234-CR	G418 Sulfate, liquid 50 mg/mL solution	10 mL	1
30-234-CI	G418 Sulfate, liquid 50 mg/mL solution	100 mL	1
61-234-RF	G418 Sulfate, powder	1 g	1
61-234-RG	G418 Sulfate, powder	5 g	1
61-234-RK	G418 Sulfate, powder	50 g	1

**For Research use only. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.**

## Support

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