

G-418 Sulphate Powder

Product Code: LSM0015

Product Description

G-418 is an aminoglycoside antibiotic that interferes with the function of 80S ribosomes in protein synthesis in eukaryotic and prokaryotic cells. G-418 blocks polypeptide synthesis by binding irreversibly to 80S ribosomes and inhibiting the elongation step. It is used as a selective antibiotic in molecular and cell biology. G-418 is usually more effective in multiplying cells than in those which are not dividing. A multiplying cell will require 3-7 days for cell death to occur.

Working concentration

Recommended final concentration 100 µg/mL to 1mg/mL re-suspended in highly pure water.

Presentation

LSM0015-1g 1 gram

LSM0015-5g 5 gram

Storage

Store at +4°C

Aqueous solutions should be stored at -20°C or below and will be stable for approximately 6 months.

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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