

Product datasheet

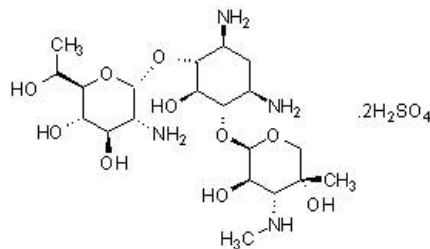
G 418 sulfate (Geneticin sulfate), Aminoglycoside antibiotic agent ab144261

[2 References](#) [1 Image](#)

Overview

Product name	G 418 sulfate (Geneticin sulfate), Aminoglycoside antibiotic agent
Description	Aminoglycoside antibiotic agent
Biological description	Aminoglycoside antibiotic agent. Potent Delta7-SMN target sequence inducer. Inhibits amino acid incorporation into proteins. Shows cytotoxic effects. Inhibits the prokaryotic and eukaryotic elongation cycle. Shows antibacterial and antiprotozoal effects <i>in vivo</i> .
CAS Number	108321-42-2

Chemical structure



Properties

Chemical name	O-2-Amino-2,7-dideoxy-D-glycero-α-D-glucoheptopyranosyl-(1→4)-O-[3-deoxy-4-C-methyl-3-(methylamino)-β-L-arabinopyranosyl-(1→6)]-2-deoxy-D-streptamine sulfate
Molecular weight	692.70
Molecular formula	C ₂₀ H ₄₀ N ₄ O ₁₀ ·2H ₂ SO ₄
PubChem identifier	206347
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

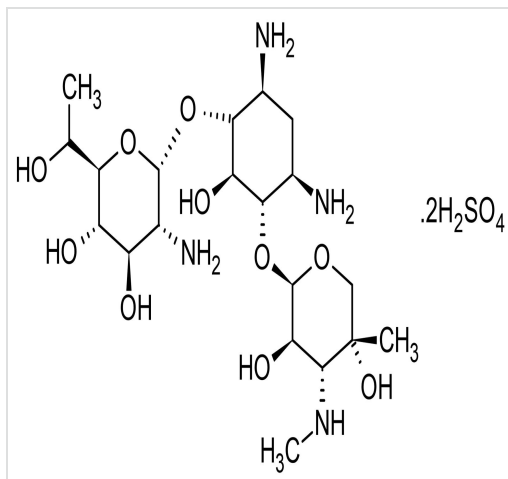
SMILES

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Source

Micromonospora rhodorangea

Images



2D chemical structure image of ab144261, G 418 sulfate (Geneticin sulfate), Aminoglycoside antibiotic agent

Chemical Structure - G 418 sulfate (Geneticin sulfate), Aminoglycoside antibiotic agent (ab144261)

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