





Synonyms Validamycin 3% SL;

 $[1S-(1\alpha,4\alpha,5\beta,6\alpha)]-1,5,6-Trideoxy-4-\textit{O-}\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\beta,6\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-O-\beta-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-O-B-D-glucopyranosyl-5-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Trideoxy-4-(hydroxymethyl)-1-[4,5,6-\alpha]]-1,5,6-Tr$ 

trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]-D-chiro-inositol;

(1R,2R,3S,4S,6R)-2,3-dihydroxy-6-(hydroxymethyl)-4-{[(1S,4S,5S,6S)-4,5,6-trihydroxy-3-

(hydroxymethyl)cyclohex-2-en-1-yl]amino}cyclohexyl β-D-glucopyranoside

# Chemical structure and identity

**Specifications** Appearance Green coloured liquid

Validamycin content 3% minimum
Acidity as H<sub>2</sub>SO<sub>4</sub> 0.5% maximum

Physical properties Solubility in water Miscible

pH (1% solution) 3 to 5

**Description** POLLEN is a green coloured liquid free from extraneous matter.

**Applications** POLLEN is a non-systemic fungicide with antibiotic action most effective against sheath

blight in paddy.

Packaging POLLEN is available in 100 ml to 5 L HDPE bottles. Other packaging may be considered

on request.

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# Technical Data Sheet | Crop Protection Business

#### Storage and handling

Keep containers tightly closed and store in a cool, dry and well-ventilated area. Protect the containers against physical damage. Avoid contact with eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

### Safety

Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Do not inhale its vapour or mist. Always refer to the SDS for detailed information on safety.

#### First aid

**Eye contact:** Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.

**Skin contact:** Wash the affected area thoroughly with soap and water. Remove clothing contaminated by the product. Consult a physician immediately.

**Ingestion:** Avoid ingestion as the product is harmful. Induce vomiting by giving a tablespoon of salt dissolved in a glass of warm water and repeat until vomit fluid is clear. Consult a physician immediately.

**Inhalation:** Avoid inhalation as the product is harmful. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.

## Spills and disposal

In case of spillage and | or leakage, absorb the spilled material carefully with suitable liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust). Prevent generation of vapour or mist. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents | container(s) in accordance with local, regional, national or international regulations | guidelines as applicable.

## Contact

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#### Note

POLLEN® is a registered trade mark for Validamycin 3% SL which belongs to Atul Ltd.

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