



Product Information Sheet

R7171 Rose Bengal

Synonyms: 4,5,6,7-Tetrachloro-2',4',5',7'-tetraiodofluorescein disodium salt, Acid Red 94, Bengal Rose B sodium salt, Rose Bengal sodium salt

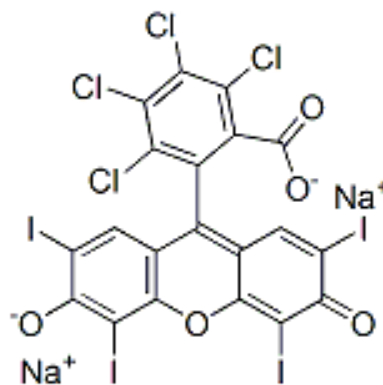
CAS: 632-69-9

Formula: $C_{20}H_2Cl_4I_4Na_2O_5$

Mol. Weight: 1017.64

Properties

Form: Powder
Appearance: Red to Red-Purple
Solubility: Water
Application: Biological Stain
Storage Temp: Room Temperature
Typical Working Concentration: Varies
Other Notes: Light Sensitive, keep in a dark container.



Application Notes

Generally used for biological staining applications. Can be used to detect endophytic fungi in plant tissues (including seeds) (Saha et al., 1988).

References

- Hsiang, T. and A. Mueller (1992) Detection of Endophytes in Tall Fescue. *Guelph Turfgrass Institute Annual Research Report*, Pp. 118-120.
- Kobs, E. and W.J. Robbins (1936) Hydrogen-Ion Concentration and the Toxicity of Basic and Acid Dyes to Fungi. *Journal of Botany*, 23(2), Pp.133-139.
- Newhouse, J.R. and Barry B. Hunter (1983) Selective Media for Recovery of *Cylindrocladium* and *Fusarium* Species from Roots and Stems of Tree Seedlings. *Mycologia*, 75(2), Pp. 228-233.
- Ottow, J.C.G. (1972) Rose Bengal as a Selective Aid in the Isolation of Fungi And Actinomy-Cetes From Natural Sources. *Mycologia*, 64(2), Pp. 304-315.
- Saha, D.C., M.A. Jackson & J.M. Johnson-Cicalese (1988) A Rapid Staining Method for Detection of Endophytic Fungi in Turf and Forage Grasses. *Phytopathology*, 78(2): Pp.237-239.

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