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Product Specification

Product Name:

D-Ribulose 1,5-bisphosphate sodium salt hydrate - ≥90%

Product Number:

R0878

Formula:

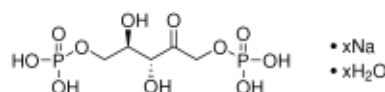
C₅H₁₂O₁₁P₂·xNa⁺·yH₂O

Formula Weight:

310.09 g/mol

Storage Temperature:

-20 °C



TEST

Specification

Appearance (Color)

White to Off White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Light Yellow

Solubility (Turbidity)

Clear

50 mg/ml, H₂O

Water (by Karl Fischer)

≤ 16 %

Proton NMR spectra

Conforms to Structure

13C NMR Identity

Conforms to Structure

Phosphorus NMR Spectra

Conforms to Structure

Solvent Content (by GC)

≤ 5 %

Phosphorus (Dry Basis)

14 - 17 %

Sodium (Dry basis)

17.1 - 24.6 %

Purity (TLC)

≥ 90 %

Note

The formula and formula weight are for the free acid.

Specification: PRD.3.ZQ5.10000014538

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.