

Product Name: Agarose, low gelling temperature, Molecular Biology Reagent
Catalog Number: J66319.22

CAS Number: 9012-36-6
IUPAC Name: (2S,3R,4S,5R,6R)-2-[[[(1S,3S,4S,5S,8R)-3-[[[(2S,3R,4S,5S,6R)-2-[[[(1S,3R,4S,5S,8R)-3,4-dihydroxy-2,6-dioxabicyclo[3.2.1]octan-8-yl]oxy]-3,5-dihydroxy-6-(hydroxymethyl)oxan-4-yl]oxy]-4-hydroxy-2,6-dioxabicyclo[3.2.1]octan-8-yl]oxy]-6-(hydroxymethyl)oxane-3,4,5-triol
Molecular Formula: C₂₄H₃₈O₁₉
Molecular Weight: 630.55
InChI Key: MJQHZNBUODTQTK-WKGBVCLCSA-N
SMILES: OC[C@H]1O[C@@H](O[C@@H]2[C@@H]3CO[C@H]2[C@H](O)[C@H](O[C@H]2[C@@H](O)[C@@H](CO)O[C@@H](O[C@@H]4[C@@H]5CO[C@H]4[C@H](O)[C@H](O)O5)[C@@H]2O)O3)[C@H](O)[C@@H](O)[C@H]1O
Synonym: sepharose 4B C1 4b, sepharose sepharose C1 4B 4b, sepharose C1 agarose gel beads 4b, sepharose

Product Specification

Appearance (Color): White to pale cream
Form: Powder
Assay (special): Electroendosmosis (EEO): ≤ 0.1%
Assay (special): Gel strength (1.0%): ≥ 200 gm/cm²
Assay (special): Gelling temperature: 26 to 30°C
Assay (special): Melting Temperature: ≤ 65°C
DNase: None detected
Loss on Drying: ≤ 10%
RNase: None detected

Date Of Print: 07/16/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.