

D-(+)-Sucrose 蔗糖

Product Description

Sucrose

Application Notes

Use to create sucrose gradients for purification of viruses and proteins.

Usage Statement

Unless specified otherwise, MBCHEM products are for research or further manufacturing use only, not for direct human use. For more information, please contact our customer service department.

Key Applications

Culture Media | Density gradient Media

Specifications

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|-------------------------------|---|
| SKU | MS0335-1KG MS0335-5KG |
| Alternate Names | Beet sugar; Cane sugar; b-D-Fructofuranosyl-a-D-glucopyranoside; D-(+)-Saccharose; Sugar; a-D-Glucopyranosyl-b-D-fructofuranoside |
| Application Notes | Use to create sucrose gradients for purification of viruses and proteins. |
| Boiling Point | Decomposes (NTP, 1992) |
| CAS # | 57-50-1 |
| Density | 1.59 at 68° F (USCG, 1999) |
| EC Number | 200-334-9 |
| Grade | Cell Culture Grade |
| Melting Point | 320 to 367° F (decomposes) (NTP, 1992) |
| Molecular Formula | C ₁₂ H ₂₂ O ₁₁ |
| Molecular Weight | 342.297 g/mol |
| Optical Rotation | +66.0° ± 5 (H ₂ O, NH ₄ OH) |
| Partition Coefficient | log Kow = -3.70 (Lit.) |
| Personal Protective Equipment | Eyeshields, Gloves, respirator filter |

| | |
|------------------------------|---|
| pH | Soln are neutral to litmus |
| pKa | 12.62 (Lit.) |
| Purity | ≥99% |
| RTECS Number | WN6500000 |
| Solubility | greater than or equal to 100 mg/mL at 66° F (NTP, 1992) |
| UV Visible Absorbance | ≤0.1 (30% aq Solution) |
| Vapor Pressure | 0 mm Hg (approx) (NIOSH, 2016) |

