

Isopropyl-β-D-thiogalactopyranoside

MB072

For Molecular Biology

Product Identifier

| | | |
|-------------------|---|---|
| CAS No. | : | 367-93-1 |
| EC No. | : | 206-703-0 |
| Molecular Formula | : | C ₉ H ₁₈ O ₅ S |
| Molecular Weight | : | 238.30 |
| Synonym | : | Isopropyl-β-D-thiogalactoside; IPTG |
| HS Code | : | 2932 99 90 |
| Storage | : | 2 - 8°C |
| Shelf life | : | 3 years |

Technical Specification

| | | |
|---------------------|---|---|
| Appearance | : | White to off-white crystals or powder |
| Solubility | : | 33.3 mg soluble in 1 mL of water |
| DNases | : | None detected |
| RNases | : | None detected |
| FTIR | : | Matches with the standard pattern |
| Specific rotation | : | -38.00 to -27.00° (c = 1% in water at 20°C) |
| Water (K.F.) | : | ≤ 1.00% |
| 1,4-Dioxane content | : | Should be absent |
| Assay (HPLC/GC) | : | 99.00 - 101.00% |

Safety Information

| | | |
|---------------|---|---------------------|
| UN No. | : | Not dangerous goods |
| Class | : | - |
| Packing Group | : | - |
| RTECS | : | Not available |
| WGK | : | 3 |