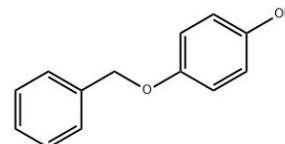


Technical Data Sheet

Monobenzene

Compound Information

Product Name:	Monobenzene
CAS No.:	103-16-2
Molecular Formula:	C ₁₃ H ₁₂ O ₂
Molecular Weight:	200.23
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Monobenzene is a potent skin depigmenting agent that specifically inhibits tyrosinase and can be used in the construction of animal models of vitiligo and in studies related to skin pigmentation loss.
Form	Powder, Crystals, and/or Chunks
Color	Off-white to beige to brown
Solubility	Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)
Purity (GC)	≥ 99.0%
Melting Point	120.0 - 124.0 °C
Solution (Turbidity)	Almost transparency solution in methanol
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.