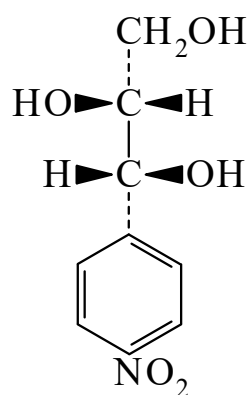




>>Entry Name: 1-(4-Nitrophenyl)-1,2,3-propanetriol, 9Cl

Synonym(s): 1-C-(*p*-Nitrophenyl)glycerol



CAS Registry Number: 2207-68-3

Molecular Formula: C₉H₁₁NO₅

Molecular Weight: 213.19

Accurate Mass: 213.063724

Percentage Composition: C 50.71%; H 5.20%; N 6.57%; O 37.52%

Aldrich: 36030-9

Fluka: 73678

Sigma: N1003

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-*erythro*-form. PNPG

Molecular Formula: C₉H₁₁NO₅

Molecular Weight: 213.19

Accurate Mass: 213.063724

Percentage Composition: C 50.71%; H 5.20%; N 6.57%; O 37.52%

Use/Importance: Antiswarming additive to prevent the growth of *Proteus* spp. on culture media, identification agent for pathogenic bacteria

Physical Description: Solid

Melting Point: Mp 95-97°

>>Derivative: Tri-Ac

Molecular Formula: C₁₅H₁₇NO₈

Molecular Weight: 339.301

Accurate Mass: 339.095419

Percentage Composition: C 53.10%; H 5.05%; N 4.13%; O 37.72%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 91°

Solubility: Sol. Et₂O

References:

East Ger. Pat., 1955, 10 649; *CA*, **52**, 16299, (*synth*)

Kopp, R. *et al.*, *Z. Naturforsch., B*, 1965, **20**, 929

East Ger. Pat., 1971, 83 988; *CA*, **78**, 71662, (*synth*)

Williams, F.D. *et al.*, *Appl. Microbiol.*, 1973, **25**, 745

Senior, B.W., *J. Med. Microbiol.*, 1978, **11**, 59, (*use*)