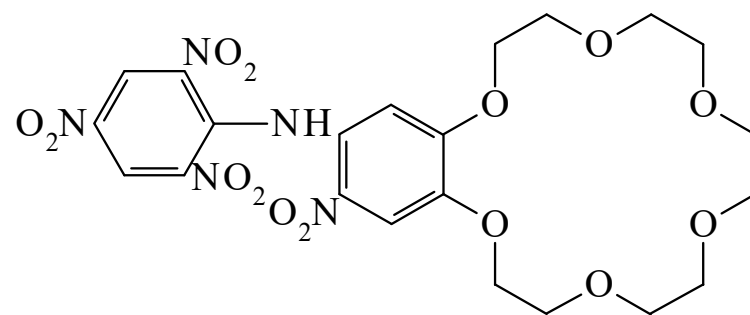




>>Entry Name: 2,3,5,6,8,9,11,12,14,15-Decahydro-19-nitro-*N*-(2,4,6-trinitrophenyl)-1,4,7,10,13,16-benzohexaoxacyclooctadecin-18-amine, 9Cl

Synonym(s): 4'-Picrylamino-19-nitrobenzo-18-crown-6



CAS Registry Number: 74305-50-3

Molecular Formula: C₂₂H₂₅N₅O₁₄

Molecular Weight: 583.465

Accurate Mass: 583.139805

Percentage Composition: C 45.29%; H 4.32%; N 12.00%; O 38.39%

Use/Importance: Used as 0.2mM soln. in CHCl₃ for extraction-photometric detn. of K (λ_{max} 457 nm, ϵ 21000); extraction of K, Rb, Cs, Na

Physical Description: Orange cryst. (Me₂CO aq.)

Melting Point: Mp 160-161°

Solubility: Sol. Me₂CO, CHCl₃

pKa Value: pK_a 8.8 (25°, dioxan aq.)

Fluka: 73786

References:

Nakamura, H. *et al.*, *Anal. Chem.*, 1980, **52**, 1668, (*use*)

Yamashita, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 1550, (*synth*)