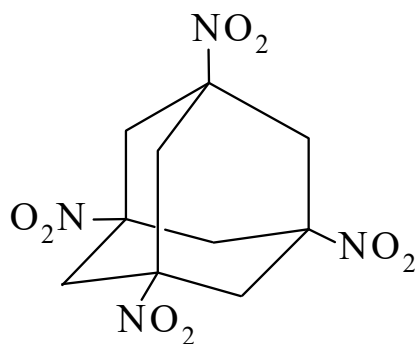




>>Entry Name: 1,3,5,7-Tetranitroadamantane

Synonym(s): 1,3,5,7-Tetranitrotricyclo[3.3.1.1^{3,7}]decane



CAS Registry Number: 75476-36-7

Molecular Formula: C₁₀H₁₂N₄O₈

Molecular Weight: 316.227

Accurate Mass: 316.065516

Percentage Composition: C 37.98%; H 3.82%; N 17.72%; O 40.48%

Physical Description: Pyramidal cryst. (toluene), powder (Me₂CO aq.)

Melting Point: Mp 361-363 dec.°

References:

Sollott, G.P. *et al.*, *J.O.C.*, 1980, **45**, 5405, (*synth, pmr, ms, ir*)

George, C. *et al.*, *Acta Cryst. C*, 1984, **40**, 674, (*cryst struct*)

Zajac, W.W. *et al.*, *J.O.C.*, 1989, **54**, 2468, (*synth*)

Murray, R.W. *et al.*, *J.O.C.*, 1989, **54**, 5783, (*synth, ir, pmr*)