>>**Entry Name: 2,4'-Dinitrodiphenylamine,** 8CI
Synonym(s): 2-Nitro-*N*-(4-nitrophenyl)benzenamine, 9CI

CAS Registry Number: 612-36-2
Structure by analogy with 2,2'-Dinitrodiphenylamine, FBF05-L

Molecular Formula: $C_{12}H_9N_3O_4$
Molecular Weight: 259.221
Accurate Mass: 259.059307
Percentage Composition: C 55.60%; H 3.50%; N 16.21%; O 24.69%
Physical Description: Red cryst. (AcOH)
Melting Point: Mp 219°

References:

Ryan, H. *et al.*, *CA*, 1919, **13**, 957
Katritzky, A.R. *et al.*, *J.C.S.*, 1953, 412, *(synth)*
Levitsky, H. *et al.*, *Appl. Spectrosc.*, 1968, **22**, 493, *(ir)*
Itier, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1969, 3523, *(uv)*