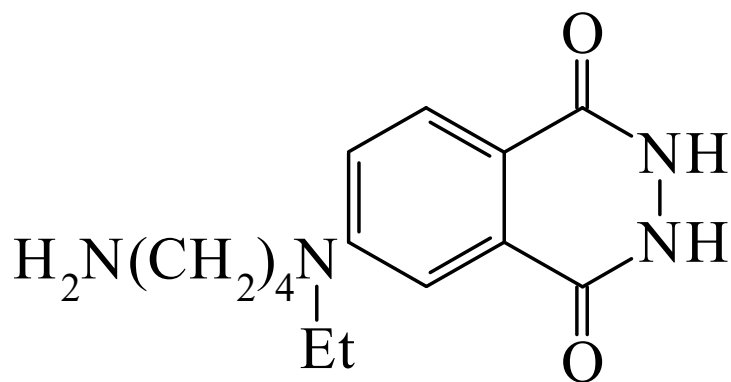




>>Entry Name: 6-[(4-Aminobutyl)ethylamino]-2,3-dihydro-1,4-phthalazinedione, 9CI

Synonym(s): *N*-(4-Aminobutyl)-*N*-ethylisoluminol. ABEI



CAS Registry Number: 66612-29-1

Molecular Formula: C₁₄H₂₀N₄O₂

Molecular Weight: 276.338

Accurate Mass: 276.158626

Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%

Use/Importance: Used in chemiluminescent assays

Physical Description: Cryst. (DMF)

Melting Point: Mp 259-260°

Aldrich: 26906-9

Fluka: 3000

Sigma: A0156

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1416B, (*nmr*)

Schroeder, H.R. *et al.*, *Methods Enzymol.*, 1978, **57**, 424, (*synth, use*)

Pazzagli, M. *et al.*, *J. Steroid Biochem.*, 1981, **14**, 1005; 1983, **19**, 407, (*synth, use*)

Patel, A. *et al.*, *Anal. Biochem.*, 1983, **129**, 162, (*synth, use*)

Klinger, W. *et al.*, *Steroids*, 1983, **42**, 123, (*synth, use*)

Kawasaki, T. *et al.*, *J. Chromatogr.*, 1985, **328**, 121, (*use*)

Yuki, H. *et al.*, *Chem. Pharm. Bull.*, 1988, **36**, 1905, (*use*)