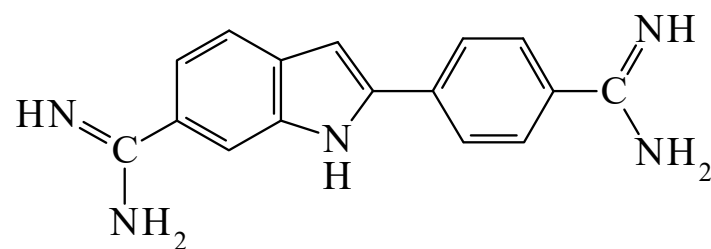




>>Entry Name: 2-[4-(Aminoiminomethyl)phenyl]-1*H*-indole-6-carboximidamide, 9Cl

Synonym(s): 2-(*p*-Amidinophenyl)-indole 5-carboxamidine, 8Cl. 5-Amidino-2-(4-amidinophenyl)-1*H*-indole. 4',6-Diamidino-2-phenylindole. DAPI



CAS Registry Number: 47165-04-8

Related CAS Registry Numbers(s): 28718-90-3

Molecular Formula: C₁₆H₁₅N₅

Molecular Weight: 277.328

Accurate Mass: 277.132745

Percentage Composition: C 69.30%; H 5.45%; N 25.25%

Use/Importance: Fluorescent labelling reagent; reagent for fluorimetric microassay of DNA

References:

- Dann, O. *et al.*, *Annalen*, 1971, **749**, 68, (*synth*)
Kapuscinski, J. *et al.*, *Clin. Chem. (Winston-Salem, N.C.)*, 1977, **83**, 252, (*use*)
van der Kooy, D. *et al.*, *Science (Washington, D.C.)*, 1979, **204**, 873, (*use*)
Schnedl, W. *et al.*, *Eur. J. Cell Biol.*, 1980, **20**, 290, (*use*)
Matsumoto, S. *et al.*, *J. Mol. Biol.*, 1981, **152**, 501, (*use*)
Manzini, G. *et al.*, *Nucleic Acids Res.*, 1983, **11**, 8861; 1985, **13**, 8955, (*use*)
Katouzian-Safadi, M. *et al.*, *Anal. Chim. Acta*, 1989, **176**, 416, (*use*)
Kubista, M. *et al.*, *J.A.C.S.*, 1989, **111**, 7031, (*struct*)
Wilson, W.D. *et al.*, *J.A.C.S.*, 1998, **120**, 10310-10321, (*DNA-intercalation mode*)