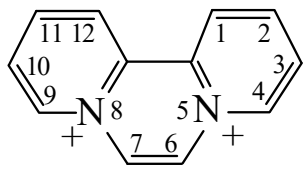
>>**Entry Name: Dipyrido[1,2-*a*:2',1'-*c*]pyrazinediium(2+),** 9CI
Synonym(s): 8*a*,10*a*-Diazoniaphenanthrene



CAS Registry Number: 231-36-7
Related CAS Registry Numbers(s): 36351-27-6

Molecular Formula: $C_{12}H_{10}N_2^{2(+)}$
Molecular Weight: 182.224
Accurate Mass: 182.084398
Percentage Composition: C 79.10%; H 5.53%; N 15.37%
Use/Importance: Has herbicidal activity

>>**Derivative:** Dichloride

CAS Registry Number: 21324-14-1
Molecular Formula: $C_{12}H_{10}Cl_2N_2$
Molecular Weight: 253.13
Accurate Mass: 252.022102
Percentage Composition: C 56.94%; H 3.98%; Cl 28.01%; N 11.07%
Physical Description: Prisms (MeOH)
Melting Point: Mp 250-300°

>>**Derivative:** Dibromide

CAS Registry Number: 1203-53-8
Molecular Formula: $C_{12}H_{10}Br_2N_2$
Molecular Weight: 342.032
Accurate Mass: 339.96107
Percentage Composition: C 42.14%; H 2.95%; Br 46.72%; N 8.19%
Use/Importance: Herbicide
Physical Description: Yellow needles ($MeOH/Et_2O$), yellow plates + $1H_2O$ ($Me_2CO/MeOH$)
Melting Point: Mp 350° (271-272° dec.)

>>**Derivative:** Dipicrate

CAS Registry Number: 3886-23-5
Physical Description: Orange prisms (Me_2CO/H_2O); Yellow needles (H_2O)
Melting Point: Mp 271-272° (265-269° dec.)

References:

Corr, D.H. *et al.*, *J.C.S.*, 1965, 5816, *(derivs, uv)*
Calder, I.C. *et al.*, *Tet. Lett.*, 1965, 1465, *(derivs, uv, pmr)*
Calder, I.C. *et al.*, *Aust. J. Chem.*, 1968, **21**, 2951, *(derivs)*
Perry, J.E., *Acta Cryst. B*, 1972, **28**, 1244, *(cryst struct)*
Norris, D.J. *et al.*, *Can. J. Chem.*, 1977, **55**, 2601, *(uv, pmr)*