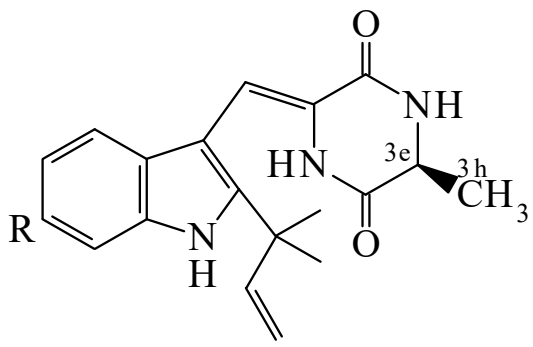
>>**Entry Name: Neoechinulin A**
Synonym(s): 3-[[2-(1,1-Dimethyl-2-propenyl)-1*H*-indol-3-yl]methylene]-6-methyl-2,5-piperazinedione, 9Cl



R = H

CAS Registry Number: 51551-29-2

Molecular Formula: $C_{19}H_{21}N_3O_2$
Molecular Weight: 323.394
Accurate Mass: 323.163377
Percentage Composition: C 70.57%; H 6.54%; N 12.99%; O 9.89%
Biological Source: Isol. from *Aspergillus amstelodami*, *Aspergillus repens* and *Aspergillus ruber*
Biological Use/Importance: Shows high antioxidative activity
Physical Description: Ivory cryst. (MeOH)
Melting Point: Mp 264-265°
UV: [neutral] λ_{max} 283 (ε 8300); 338 (ε 9300) (EtOH) [neutral] λ_{max} 285 (); 330 () (MeOH) (Berdy) [neutral] λ_{max} 283 (ε 8300); 338 (ε 9340) (EtOH) (Berdy)

>>**Derivative:** 3*e*,3*h*-Didehydro
Synonym(s): Neoechinulin B. Alkaloid E10

CAS Registry Number: 55179-53-8

Molecular Formula: $C_{19}H_{19}N_3O_2$
Molecular Weight: 321.378
Accurate Mass: 321.147727
Percentage Composition: C 71.01%; H 5.96%; N 13.07%; O 9.96%
Biological Source: Isol. from *Aspergillus amstelodami*
Physical Description: Yellow cryst. (MeOH)
Melting Point: Mp 234-236°

References:

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Marchelli, M. *et al.*, *J.C.S. Perkin 1*, 1977, 713-717, *(isol, uv, ir, pmr)*
Nagasawa, H. *et al.*, *Agric. Biol. Chem.*, 1979, **43**, 1759-1763, *(cmr, struct)*
Nakatsuka, S. *et al.*, *Tet. Lett.*, 1980, 2817-2820, *(synth, uv, ir, pmr)*
Yagi, R. *et al.*, *Biosci., Biotechnol., Biochem.*, 1999, **63**, 932-933, *(isol, pmr, cmr, activity)*
Cole, R.J. *et al.*, *Handbook of Toxic Fungal Metabolites*, Academic Press, New York, 1981, 469; 471