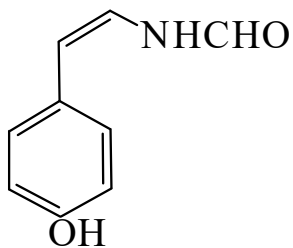




>>Entry Name: *N*-[2-(4-Hydroxyphenyl)ethenyl]formamide, 9Cl

Synonym(s): WF 5239. Antibiotic WF 5239. A 52688b. Antibiotic A 52688b



CAS Registry Number: 91224-36-1

Related CAS Registry Numbers(s): 98244-37-2

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Biological Source: Prod. by *Aspergillus fumigatus*

Biological Use/Importance: Inhibits platelet aggregation

Physical Description: Needles (EtOH)

Melting Point: Mp 142-145°

UV: [neutral] λ_{max} 219 (ε 15500); 285 (ε 30400) (MeOH) (Derep)

>>Derivative: Me ether

Synonym(s): *Tuberin*†. *N*-[2-(4-Methoxyphenyl)ethenyl]formamide. *N*-(*p*-Methoxystyryl)formamide

CAS Registry Number: 53643-53-1

Molecular Formula: C₁₀H₁₁NO₂

Molecular Weight: 177.202

Accurate Mass: 177.078979

Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%

Biological Source: Prod. by *Streptomyces amakusaensis*

Biological Use/Importance: Antitubercular and antibacterial agent

Physical Description: Prisms (C₆H₆)

Melting Point: Mp 132-133°

Solubility: BERDY SOL: Sol. MeOH, EtOAc; fairly sol. CHCl₃, CCl₄; poorly sol. C₆H₆, hexane, H₂O

UV: [neutral] λ_{max} 219 (ε 15500); 285 (ε 30400) (MeOH) (Derep) [neutral] λ_{max} 220 (); 286 () (MeOH) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 1200 - 1800 mg/kg

References:

Anzai, K. *et al.*, *J. Antibiot.*, Ser. A, 1962, **15**, 110; 115; 117; 123; 1963, **16**, 207, (*Tuberin*)

Massey, I.J. *et al.*, *Chem. Ind. (London)*, 1977, 920, (*Tuberin*)

Harrison, I.T. *et al.*, *J. Med. Chem.*, 1978, **21**, 588, (*Tuberin*)

Herbert, R.B. *et al.*, *Chem. Comm.*, 1983, 1008; 1984, 1474

Umehara, K. *et al.*, *J. Antibiot.*, 1984, **37**, 469, (*isol*, *ir*, *pmr*, *props*)