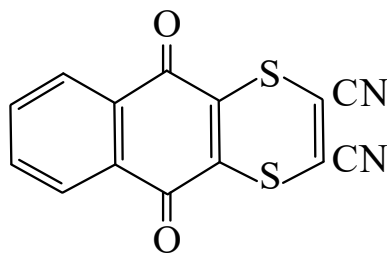




>>Entry Name: Dithianon, BSI

Synonym(s): 5,10-Dihydro-5,10-dioxonaphtho[2,3-*b*]-1,4-dithiin-2,3-dicarbonitrile, 9CI. Delan



CAS Registry Number: 3347-22-6

Type of Compound Code(s): WG0500

Molecular Formula: C₁₄H₄N₂O₂S₂

Molecular Weight: 296.33

Accurate Mass: 295.971418

Percentage Composition: C 56.75%; H 1.36%; N 9.45%; O 10.80%; S 21.64%

Use/Importance: Agricultural and horticultural fungicide

Physical Description: Brown cryst.

Melting Point: Mp 225°

Hazard & Toxicity: LD₅₀ (rat, orl) 638 mg/kg

References:

U.S. Pat., 1957, 2 976 296; *CA*, **56**, 3486c

Flemming, H. *et al.*, *Z. Pflanzenkrankh. Pflanzenschutz.*, 1963, **70**, 4, (*props, activity, use*)

Suzuki, K. *et al.*, *Agric. Biol. Chem.*, 1974, **38**, 1433, (*glc*)

Pesticide Manual, 11th edn., 1991, No. 258

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DLK200