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>>Entry Name: **3,10-Dimethylquinacridone**

Synonym(s): 5,12-Dihydro-3,10-dimethylquino[2,3-*b*]acridine-7,14-dione, 9CI

CAS Registry Number: 16043-40-6

Extra CAS Registry Numbers(s): 28632-05-5

Structure by analogy with 2,9-Dimethylquinacridone, [NWJ46-T](#)

Molecular Formula: C<sub>22</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 340.381

Accurate Mass: 340.121178

Percentage Composition: C 77.63%; H 4.74%; N 8.23%; O 9.40%

Use/Importance: Scarlet pigment for lacquers and plastics

Physical Description: Red cryst.

Other Data: Incorrectly abstracted as C.I. Pigment Red 122 in *CA* **86-118**

**References:**

*U.S. Pat.*, 1966, 3 256 285; *CA*, **59**, 5172b, (*synth, use*)

Labana, S.S. *et al.*, *Chem. Rev.*, 1967, **67**, 1, (*rev, props*)

Altiparimakian, R.H. *et al.*, *Helv. Chim. Acta*, 1972, **52**, 85-100, (*pmr*)