

Crystal Data: Orthorhombic. *Point Group:* 222. Massive.

Physical Properties: *Tenacity:* Very brittle. Hardness = n.d. D(meas.) = 1.01(1)
D(calc.) = 1.02 Fuses at 34(1) °C.

Optical Properties: Transparent. *Color:* Pale yellow. *Luster:* "Icy".
Optical Class: Biaxial. α = n.d. β = n.d. γ = n.d. 2V(meas.) = n.d.

Cell Data: *Space Group:* P2₁2₁2₁. $a = 12.356(4)$ $b = 12.762(4)$ $c = 11.427(3)$ $Z = [1]$

X-ray Powder Pattern: Castelnuovo di Garfagnana, Italy.
5.53 (vs), 5.06 (vs), 7.00 (s), 8.92 (ms), 8.32 (ms), 4.02 (ms), 3.870 (m)

| Chemistry: | (1) | (2) |
|------------|--------|--------|
| C | 86.77 | 86.88 |
| H | 13.44 | 13.12 |
| Total | 100.21 | 100.00 |

(1) Castelnuovo di Garfagnana, Italy. (2) C₂₀H₃₆.

Occurrence: In bituminous fossil wood in unconsolidated river sediment.

Distribution: From Castelnuovo di Garfagnana, Serchio Valley, Tuscany, Italy.

Name: Honors Professor Olinto Dini (1802–1866), Italian physicist, University of Pisa, Pisa, Italy, who discovered the first specimens.

Type Material: University of Pisa, Pisa, Italy, 8875.

References: (1) Franzini, L., M. Pasero, and N. Perchiazzi (1991) Re-discovery and re-definition of dinite, C₂₀H₃₆, a forgotten organic mineral from Garfagnana, northern Tuscany, Italy. *Eur. J. Mineral.*, 3, 855–861. (2) (1992) *Amer. Mineral.*, 77, 674 (abs. ref. 1).