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## DMT

**Synonym:** 2,2''-dimethyl-1,1':4'1''-terphenyl; BM-Terphenyl

**Catalog No.:** 03320

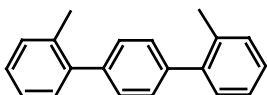
**CAS No.:** 53092-64-1

**MW:** 258.36

**Chemical Formula:** C<sub>20</sub>H<sub>18</sub>

**Appearance:** White crystalline solid

**Structure:**



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ-max	Fl λ-max
332	311-353	KrF(248) <sup>85</sup>	Cyclohexane	9.6 x 10 <sup>-4</sup>	251 <sup>c</sup>	336 <sup>c</sup>
336	322-348	KrF(248) <sup>110</sup>	Cyclohexane	1 x 10 <sup>-3</sup>		

c = cyclohexane

### REFERENCES:

85. Shorter Dye Laser Wavelengths from Substituted p-Terphenyls, W. Zapka and U. Brockmann, *Appl. Phys.* 20, 283 (1979)
110. Lumonics Inc., 105 Schneider Road, Kanata, (Ottawa), Ontario, Canada K2K 1Y3

For a current list of biology, biological stain, or biochemistry references for DMT from PubMed, click on the following link:

[DMT](#) (the abbreviation DMT has multiple meanings in PubMed)