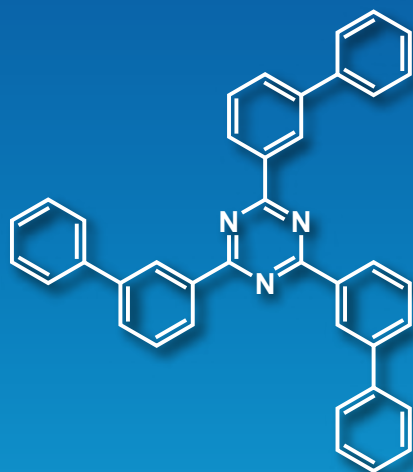
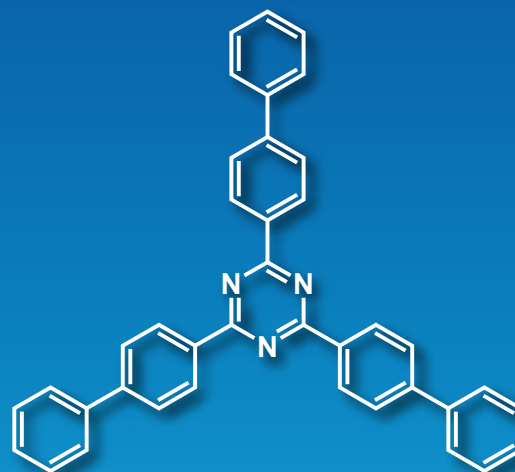


Triazines Useful as Electron Transport Materials for OLEDs and as UV Absorbers



T2T
200mg / 1g
[T3997] **New**



2,4,6-Tri([1,1'-biphenyl]-4-yl)-1,3,5-triazine
200mg / 1g
[T3539]

Applications

- Used as an electron transport layer (ETL) or a hole blocking layer (HBL) of OLED devices.¹⁾
- Added as an ultraviolet absorber in cosmetics.²⁾

For Laboratory Use, Research Purposes Only.

References

- 1) K. Yamaguchi, T. Matsushita, A. S. D. Sandanayaka, Y. Homma, N. Uchida, C. Adachi, *Chem. Eur. J.* **2020**, *26*, 5598.
DOI: <https://doi.org/10.1002/chem.201905345>
- 2) C. Couteau, E. Papis, C. Chauvet, L. Coiffard, *Int. J. Pharm.* **2015**, *487*, 120.
DOI: <https://doi.org/10.1016/j.ijpharm.2015.03.077>

Basic Physical Properties

	λ_{abs} [nm]	λ_{edge} [nm]	λ_{FL} [nm]	HOMO [eV]	LUMO [eV]	T_m [°C]	T_g [°C]	μ_e [cm ² /Vs]
T3997	270	336	392	-6.43	-2.09	204	95	5.91×10^{-6}
T3539	315	365	404	-6.28	-2.28	284	-	1.13×10^{-4}

Triazines Useful as Electron Transport Materials for OLEDs and as UV Absorbers

Related Products

OLED Materials

3,3'-Di(9H-carbazol-9-yl)-1,1'-biphenyl	200g [D4772]
1,3,5-Tris(1-phenyl-1H-benzimidazol-2-yl)benzene	200mg / 1g [T3537]
Tris(2-phenylpyridinato)iridium(III)	200mg / 1g [T3716]
(2,4-Pentanedionato)bis(2-phenylpyridine)iridium(III)	200mg [P2637]

UV Absorbers

2-(2-Hydroxy-4-methoxyphenyl)-4,6-diphenyl-1,3,5-triazine	5g / 25g [H1531]
2-(2,4-Dihydroxyphenyl)-4,6-diphenyl-1,3,5-triazine	1g / 5g [D4819]
2,4,6-Tris(2,4-dihydroxyphenyl)-1,3,5-triazine	1g [T3869]
2,4,6-Tris(4-butoxy-2-hydroxyphenyl)-1,3,5-triazine	1g / 5g [T3870]
Bemotrizinol	1g / 5g [B6145]
2-(2,4-Dihydroxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine	5g / 25g [D4527]
2,4-Bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-n-octyloxyphenyl)-1,3,5-triazine	5g / 25g [B4399]

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