

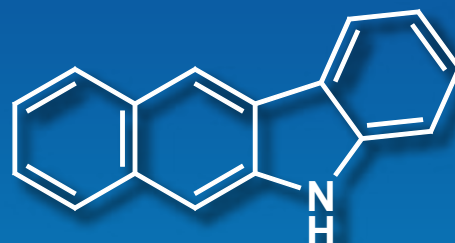
Room Temperature Phosphorescence Inducers

Benzoindole Derivatives



1H-Benzo[f]indole

1g
[B6283]



5H-Benzo[b]carbazole

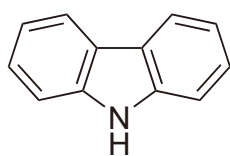
1g
[B6453] **New**

Advantages

- Luminescent materials which induce room temperature phosphorescence (RTP) by adding a very small amount
- RTP property can be controlled by chemical modification

Applications

RTP at 500-700 nm is induced by adding of 0.5-1 wt% of benzoindole derivatives to carbazole (high purity) [C3722], which shows no RTP at that wavelength region.



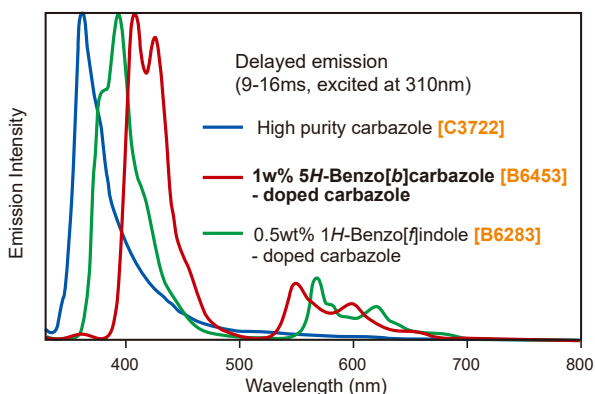
[C3722]

+

B6283

OR

B6453



References C. Chen, B. Liu, *et al.*, *Nat. Mater.* **2021**, 20, 175. <https://doi.org/10.1038/s41563-020-0797-2>
X. Fu, Z. Ma, *et al.*, *ChemRxiv* **2022**. <https://doi.org/10.26434/chemrxiv-2022-dd7pv>

Related Products

Carbazole (High Purity)
11H-Benzo[a]carbazole
7H-Benzo[c]carbazole

1g / 5g / 25g [C3722]
1g / 5g [B4635]
1g [B5590]

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