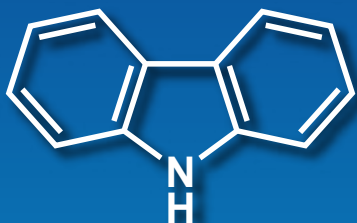


New

MATERIALS



Non-Phosphorescent High Quality Carbazole



Carbazole (High Quality)
1g / 5g / 25g
[C3722]

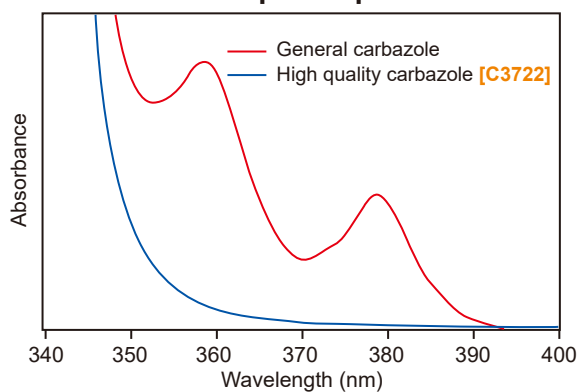
Advantages

- The non-phosphorescence is guaranteed.
- Suitable for the synthesis of high quality carbazole based materials.

It has been reported that very small amount of impurities contained in carbazole induce room temperature phosphorescence (RTP). TCI have commercialized high quality carbazole [C3722] which is guaranteed not to exhibit room temperature phosphorescence.

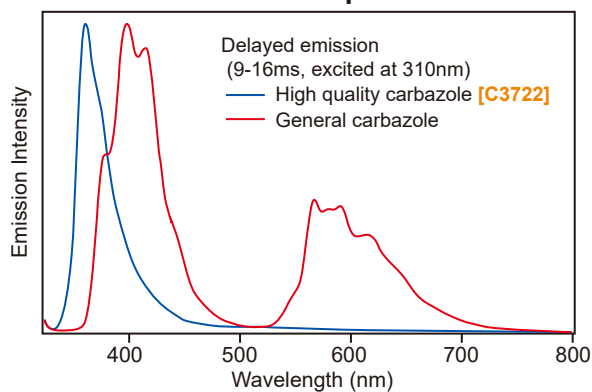
Comparison of absorption and emission properties

Absorption spectra



Absorbance edge of high quality carbazole [C3722] is flat. General carbazole shows absorbance at 350 - 400 nm which is originated from some impurities.

Emission spectra



General carbazole shows RTP at 500 - 800 nm which is originated from some impurities. High quality carbazole [C3722] shows no RTP at that range.

References B. Liu *et al.*, *Nat. Mater.* **2021**, 20, 175. DOI: <https://doi.org/10.1038/s41563-020-0797-2>
C. Chen, B. Liu, *et al.*, *ACS Mater. Lett.* **2021**, 3, 1081. DOI: <https://doi.org/10.1021/acsmaterialslett.1c00138>

Related Product

RTP Inducing Chemical
1*H*-Benzo[*f*]indole

1g [B6283]

Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 / 503-283-1681
Fax : 888-520-1075 / 503-283-1987
E-mail : Sales-US@TCIchemicals.com

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 78 45 60
E-mail : Sales-UK@TCIchemicals.com

TCI Chemicals (India) Pvt. Ltd.

Tel : 1800 425 7889 / 044-2262 0909
Fax : 044-2262 8902
E-mail : Sales-IN@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 / 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
E-mail : globalbusiness@TCIchemicals.com

Availability, price or specification of the listed products are subject to change without prior notice. Reproduction forbidden without the prior written consent of Tokyo Chemical Industry Co., Ltd.