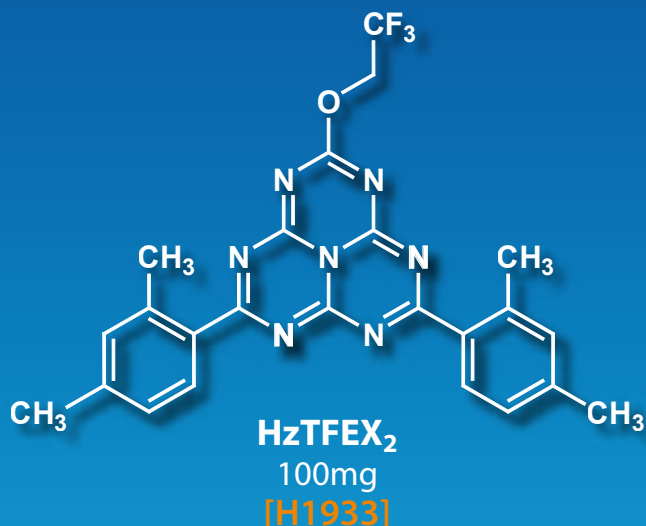


# Heptazine-Bearing Light-Emitting Material with Negative $\Delta E_{ST}$

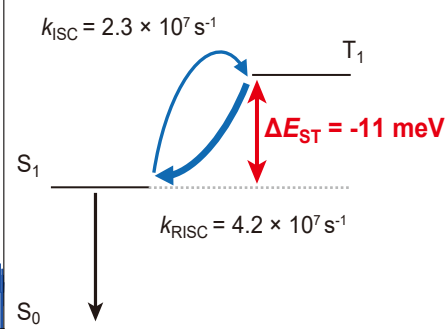
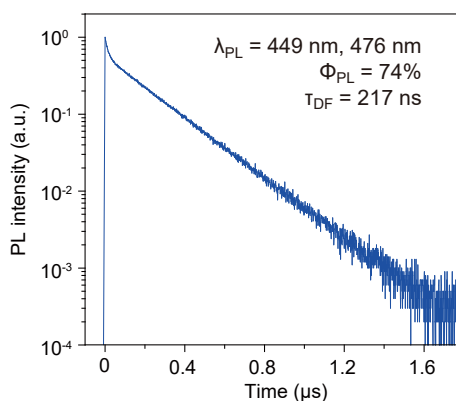
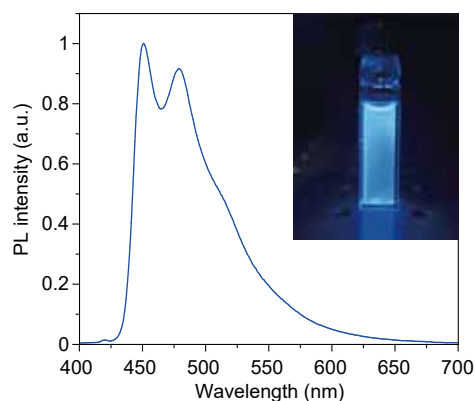
## H<sub>z</sub>TFEX<sub>2</sub>



### Advantages

- Emits delayed fluorescence from inverted singlet and triplet excited states (DFIST).
- Blue light emission with peak top at 449nm and 74% of PLQY
- HOMO: -6.3 eV (by ultraviolet photoelectron yield spectroscopy)

### Physical Properties (from Reference)



Reference Delayed fluorescence from inverted singlet and triplet excited states  
N. Aizawa, Y.-J. Pu, D. Miyajima, *et al.*, *Nature* **2022**, 609, 502. <https://doi.org/10.1038/s41586-022-05132-y>

This product has been commercialized under license based on a patent application PCT/JP2021/022598.

### Related Products

**Heptazine Chloride**  
**2,8-Bis(diphenylphosphoryl)dibenzo[*b,d*]furan**

1g [T4145]  
200mg / 1g [B5822]

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