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Frontier Specialty Chemicals, Inc. **Technical Data Sheet**
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Catalog Number: **P12770**

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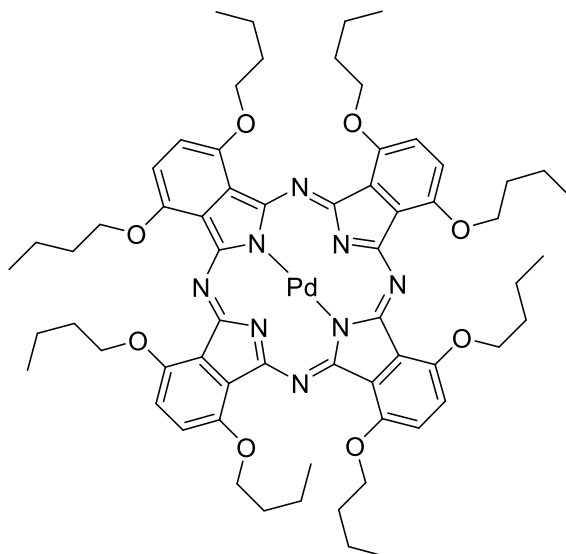
sales@frontiersci.com

For research use only

Not intended or approved for
diagnostic or therapeutic use.

Product Name: Pd(II) 1,4,8,11,15,18,22,25-octabutoxyphthalocyanine

Catalog Number: P12770



Sizes Available: 10 mg, 25 mg, 50 mg, and larger sizes available

Molecular weight: 1195.79 g/mol

Molecular Formula: C₆₄H₈₀N₈O₈Pd

CAS Number: 129679-94-3

Storage: Store at room temperature and protect from light.

Synonyms: N/A

Field of Interest: Near infrared to visible photon up-conversion

Background: A solid film consisting of neat Palladium (II) 1,4,8,11,15,18,22,25-octa-n-butoxyphthalocyanine and rubrene was excited at 730 nm resulting in infrared to visible photon

up conversion via sensitized triplet-triplet annihilation¹.

References:

- 1) Lissau, Jonas, S., Khelfallah, Malika., Madsen, Morten.; Near-Infrared to Visible Photon Upconversion by Palladium(II) Octabutoxyphthalocyanine and Rubrene in the solid State. *J. Phys. Chem. C* **2021**, 125,46, 25643-25650.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the SDS on request. **Pd(II) 1,4,8,11,15,18,22,25-octabutoxyphthalocyanine** is manufactured, shipped according to standard practices, and intended for research and development in a laboratory utilizing prudent procedures for handling chemicals of unknown toxicity, under the supervision of persons technically qualified to evaluate potential risks and authorized to enforce appropriate health and safety measures. As with all research chemicals, precautions should be taken to avoid unnecessary exposures or risks.

Warranty and Disclaimer: Frontier Specialty Chemicals, Inc. warrants the product conforms to the specifications stated herein. In the event of nonconformity, Frontier will replace products or refund purchase price, at its sole option, and Frontier shall not be responsible for any other loss or damage, whether known or foreseeable to Frontier. No other warranties apply, express or implied, including but not limited to warranty of fitness for any purpose or implied warranty of merchantability. Purchaser is solely responsible for all consequences of its use of the product and Frontier assumes no responsibility therefore, including success of purchaser's research and development, or health or safety of any uses of the product.