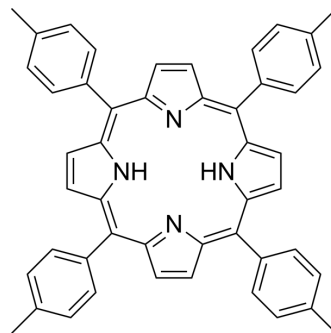


5,10,15,20-Tetrakis(p-tolyl)porphyrin

Cat. No.:	HY-W035133
CAS No.:	14527-51-6
Molecular Formula:	C ₄₈ H ₃₈ N ₄
Molecular Weight:	670.84
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description

5,10,15,20-Tetrakis(p-tolyl)porphyrin (TTP) is an organic compound belonging to the class of porphyrins, a cyclic molecule composed of four pyrrole rings linked together. TTP is a synthetic porphyrin commonly used as a sensitizer for dye-sensitized solar cells and a catalyst for organic reactions. Due to its unique structure, TTP has a series of interesting properties, including at specific wavelengths and its potential as a catalyst for various chemical reactions. In dye-sensitized solar cells, TTPs help convert sunlight into electricity by absorbing photons and transferring electrons to the semiconductor layer of the device. In organic chemistry, TTP is often used as a catalyst for various organic compounds in reactions such as oxidation and reduction. Its ability to selectively bind certain substrates makes it a useful tool for synthesizing complex molecules and studying their properties.

In Vitro

5,10,15,20-Tetrakis(p-tolyl)porphyrin is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

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