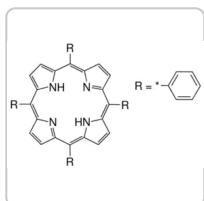


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160997 ▶ **Sigma-Aldrich.**

5,10,15,20-Tetraphenyl-21H,23H-porphine

★★★★★ (0)

97%

Synonyme(s):

meso-Tetraphenylporphyrin, TPP

Empirical Formula (Hill Notation):

C₄₄H₃₀N₄

Numéro CAS: **917-23-7**

Poids moléculaire: 614.74

Beilstein: 379542

Numéro EC: **213-025-9**

Numéro MDL: **MFCD00011680**

ID de substance PubChem: **24849899**

NACRES: NA.47

Référence	Conditionnement	Disponibilité	Prix	Quantité
160997-1G	1 G	Only 5 left in stock (more on the way)	Détails... 102,00 €	– + i
160997-5G	5 G	Only 1 left in stock (more on the way)	Détails... 362,00 €	– + i
160997-25G	25 G	Only 2 left in stock (more on the way)	Détails... 1370,00 €	– + i

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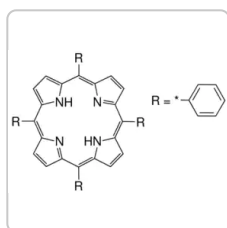
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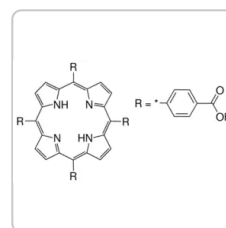


Sigma-Aldrich

247367

5,10,15,20-Tetraphenyl-21H,23H-porphine
≥99%

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

379077

4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl)tetrakis(benzoic acid)

Dye content 75 %

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PROPRIÉTÉS

Niveau de qualité	100
Essai/Dosage	97%
Forme	powder or crystals
Impuretés	1-3% corresponding chlorin
Pf	>300 °C (lit.)

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ϵ (extinction coefficient)	≥3500 at 480-486 nm in toluene ≥4000 at 647-653 nm in toluene ≥5000 at 589-595 nm in toluene ≥8000 at 546-552 nm in toluene
application(s)	diagnostic assay manufacturing hematology histology
Temp. de stockage	room temp
SMILES string	<chem>c1ccc(cc1)-c2c3ccc(n3)c(-c4ccccc4)c5ccc([nH]5)c(-c6ccccc6)c7ccc(n7)c(-c8ccccc8)c9ccc2[nH]9</chem>
InChI	1S/C44H30N4/c1-5-13-29(14-6-1)41-33-21-23-35(45-33)42(30-15-7-2-8-16-30)37-25-27-39(47-37)44(32-19-11-4-12-20-32)40-28-26-38(48-40)43(31-17-9-3-10-18-31)36-24-22-34(41)46-36/h1-28,45,48H/b41-33,41-34,42-35,42-37,43-36,43-38,44-39,44-40-
InChI key	YNHJECZULSZAQK-LWQDQPMZSA-N
Gene Information	human ... TERT(7015)

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Catégories apparentées

Hematology Stains

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**Description générale**

5,10,15,20-Tetraphenyl-21H,23H-porphine is a porphyrin compound.

Conditionnement

1, 5, 25 g in poly bottle

INFORMATIONS SUR LA SÉCURITÉ**Code de la classe de stockage**

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION**Certificat d'analyse**

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

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Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

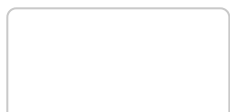
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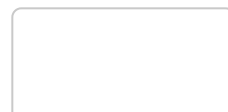
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ARTICLES REVUS PAR DES PAIRS

Noncovalent interaction of meso-tetraphenylporphine with C60 fullerene as studied by several DFT methods.

Vladimir A Basiuk et al.

Journal of nanoscience and nanotechnology, 11(6), 5519-5525 (2011-07-21)

We performed density functional theory (DFT) calculations of noncovalently bonded 1:1 complex of meso-tetraphenylporphine H2TPP with fullerene C60. The functionals used were PW91, PBE and BLYP of general gradient approximation (GGA), as well as PWC and VWN of local density

A fluorescent probe for zinc ions based on N-methyltetraphenylporphine with high selectivity.

Qiu-Juan Ma et al.

Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy, 71(5), 1683-1687 (2008-08-22)

N-methyl-alpha,beta,gamma,delta-tetraphenylporphine (NMTPPH) has been used to detect trace amount of zinc ions in ethanol-water solution by fluorescence spectroscopy. The fluorescent probe undergoes a fluorescent emission intensity enhancement upon binding to zinc ions in EtOH/H(2)O (1:1, v/v) solution. The fluorescence enhancement

Supramolecular chirality and chiral inversion of tetraphenylsulfonato porphyrin assemblies on optically active polylysine.

Li Zhang et al.

The journal of physical chemistry. B, 113(42), 14015-14020 (2009-10-16)

The self-assembly and induced supramolecular chirality of a dianionic meso-tetraphenylsulfonato porphyrin (TPPS) on the optically active polylysine has been investigated. Our research has confirmed that in the presence of poly(l-lysine) (PLL) or poly(d-lysine) (PDL), TPPS could form both H and

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Noncovalent functionalization of carbon nanotubes with meso-tetraphenylporphine (H2TPP) and its metal(II) complexes NiTPP and CoTPP was studied by means of different experimental techniques and theoretical calculations. As follows from the experimental adsorption curves, free H2TPP ligand exhibits the strongest adsorption

Preserving charge and oxidation state of Au(III) ions in an agent-functionalized nanocrystal model system.

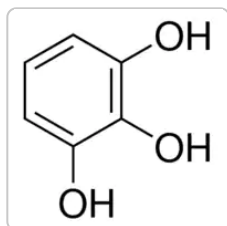
Stefan Müllegger et al.

ACS nano, 5(8), 6480-6486 (2011-07-09)

Supporting functional molecules on crystal facets is an established technique in nanotechnology. To preserve the original activity of ionic metallorganic agents on a supporting template, conservation of the charge and oxidation state of the active center is indispensable. We present

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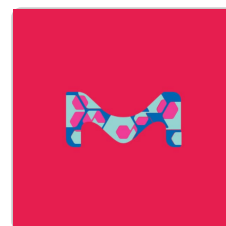
Sigma-Aldrich

16040

Pyrogallol

ACS reagent, ≥99%

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Sigma-Aldrich

16030

'Brilliant Cresyl blue'

for microscopy (Vit.), mixture of toluidine blue and waterblue

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