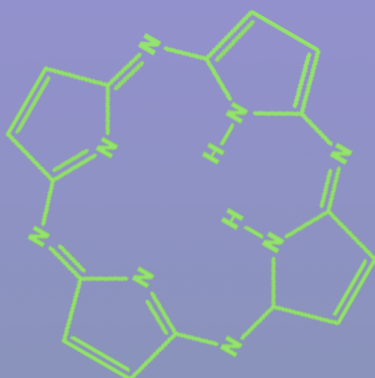
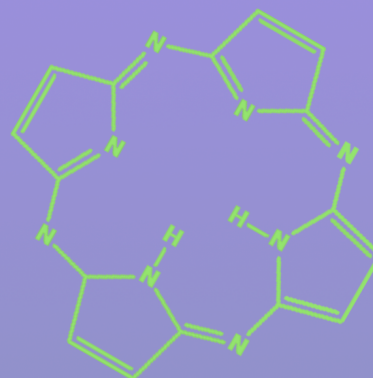
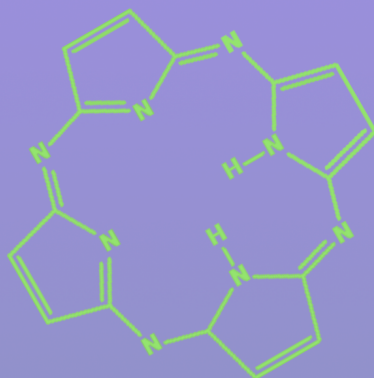
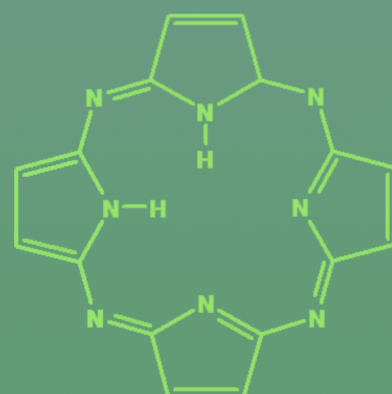
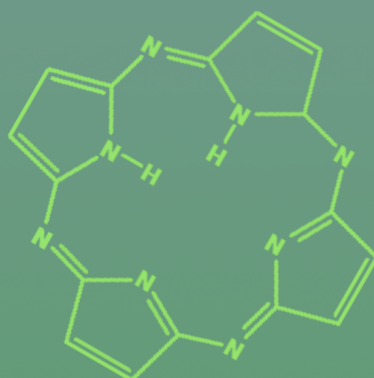
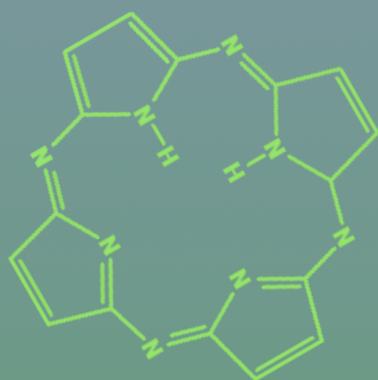
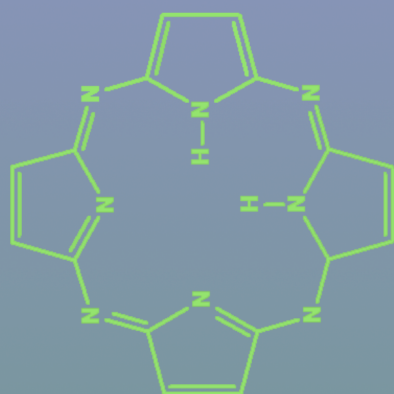




Porphyrin Collection



Origin of the „Porphyrin Collection“

Porphyrins are a group of heterocyclic organic compounds that are composed of four modified pyrrole units connected to form a conjugated ring. In the centre of the ring there is sufficient space to accommodate a metal atom and various metals can be complexed. Due to the conjugated ring structure, porphyrins typically have strong absorption in the visible region of the electromagnetic spectrum and are deeply coloured. The most well-known metalloporphyrin is heme, a porphyrin complexed with iron that gives blood its distinctive deep red colour.

Porphyrins provide an extremely versatile synthetic base for a variety of applications and have been used in biomimetic catalysis, molecular electronics, supramolecular chemistry and toxicology.

Specifically, the metal at the centre of the metalloporphyrin can be used to catalyse the oxidation of a range of organic compounds. Due to their strong absorption in the visible range, porphyrins are utilised in solar cells to increase the light harvesting efficiency. Furthermore, the unique combination of synthetic versatility, chemical robustness and intense spectral response means that porphyrins are also proving to be very useful platforms for sensing applications.

Here we have focused on a short selection of our products, which were presented under name „Porphyrin Collection“. As you can find, there are not only porphyrin-like derivatives and their complexes with metal ions presented, but also the compounds that were derived from porphyrin precursors, such as bilirubin and biliverdin.

Order and delivery

You can order the presented products using our website www.vladachem.com.

We always want to offer you competitive and current prices, therefore the product prices are on request.

Our prices are subject to delivery costs, VAT and additional fees where applicable. (s. §3 General Terms and Conditions).

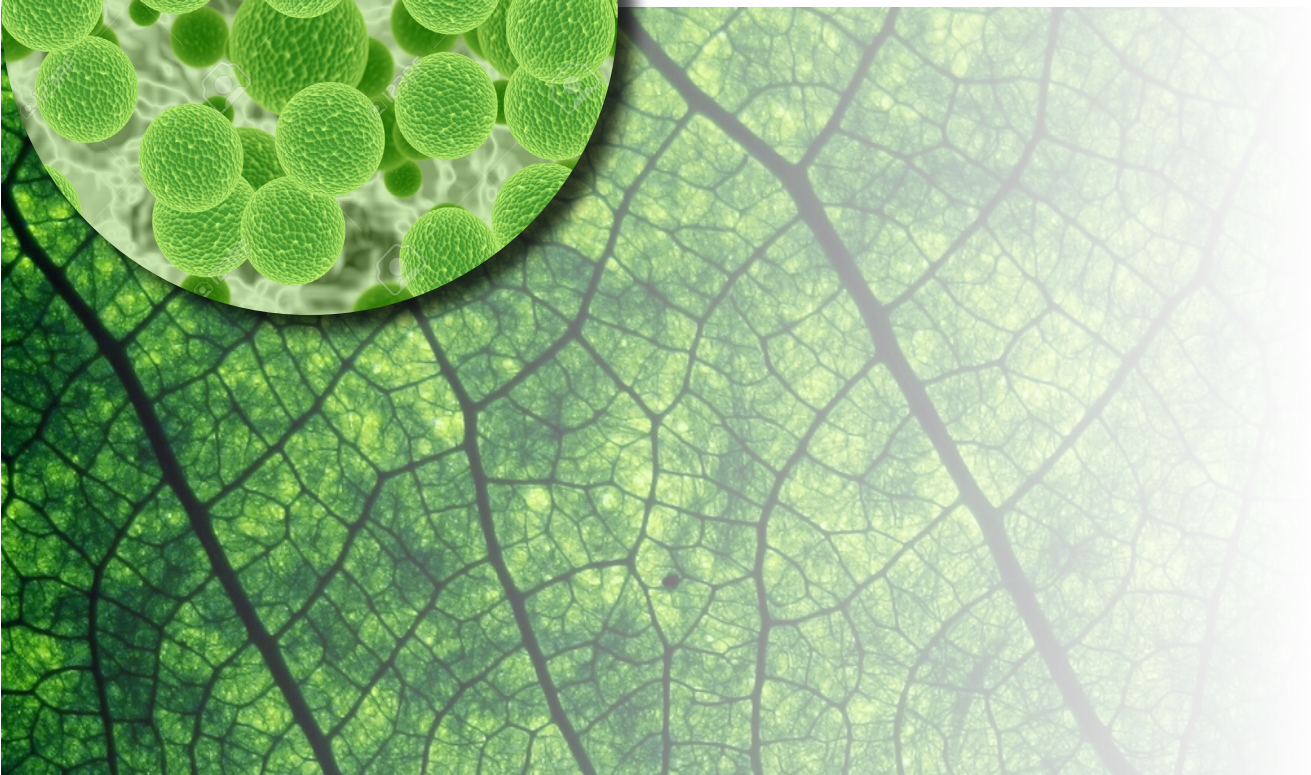
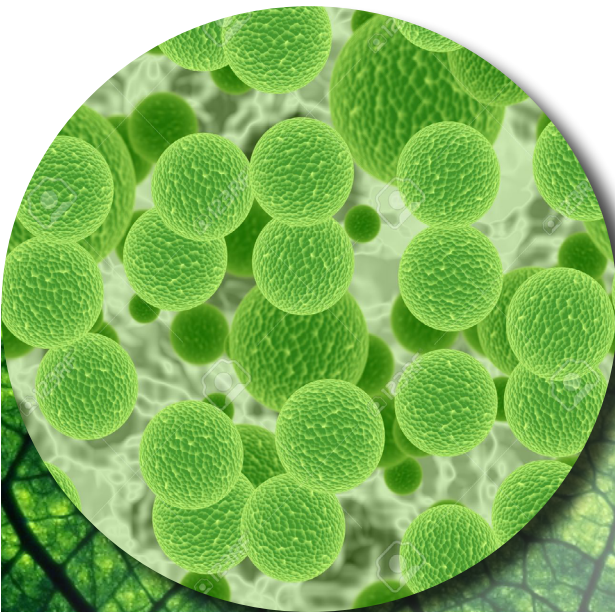
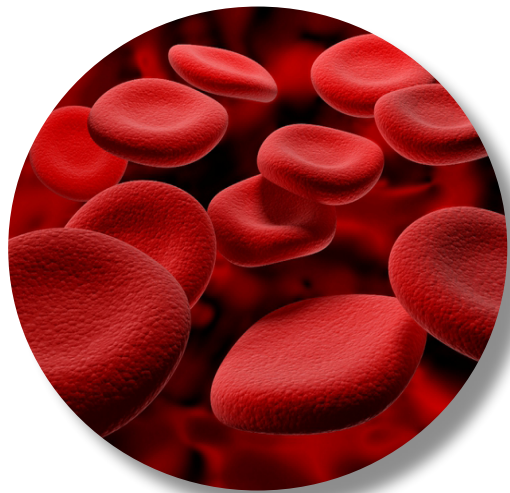
For the search at the website you can use the CAS numbers, compound names and our product numbers.

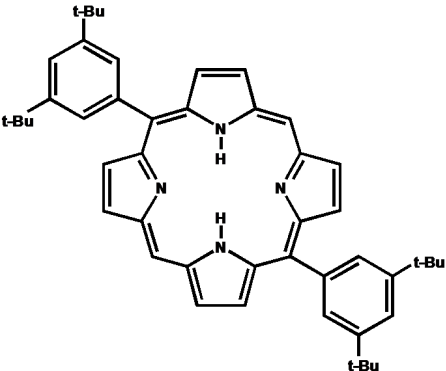
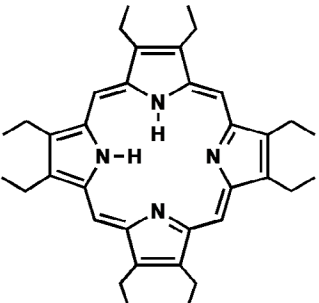
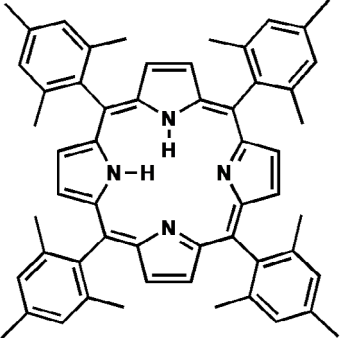
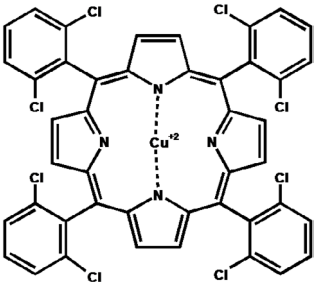
The delivered products will be labeled with original producer numbers, which are indicated here in purple colour.

Availability and quantity of each product, its delivery frists and the kind of transportation you can inquire by sending your request to info@vladachem.de.

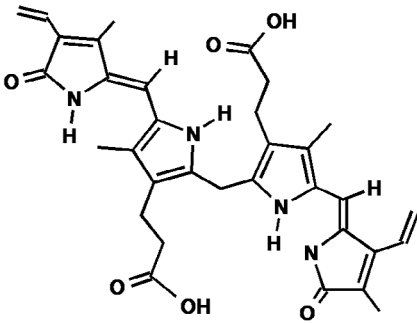
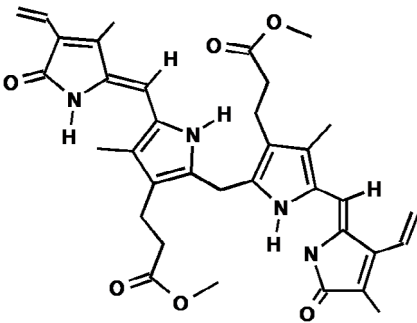
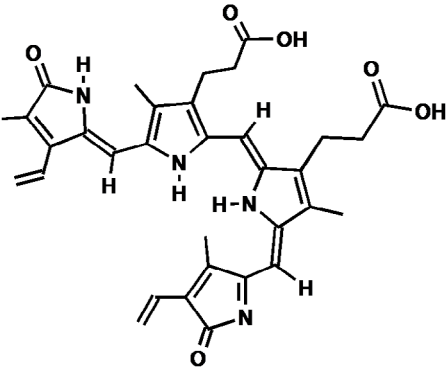
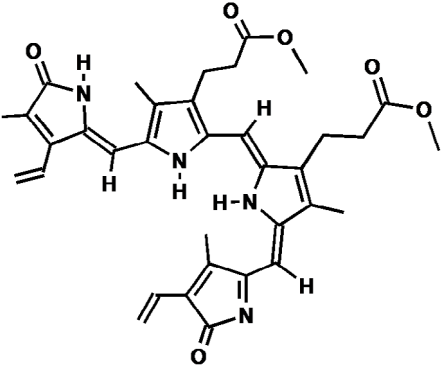
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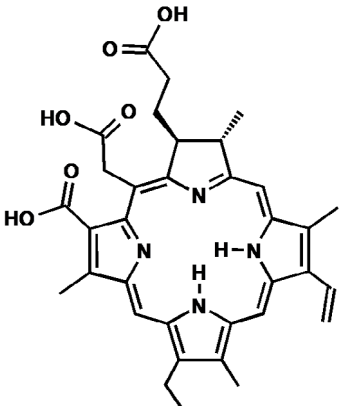
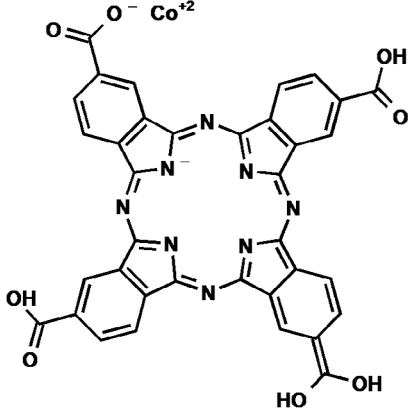
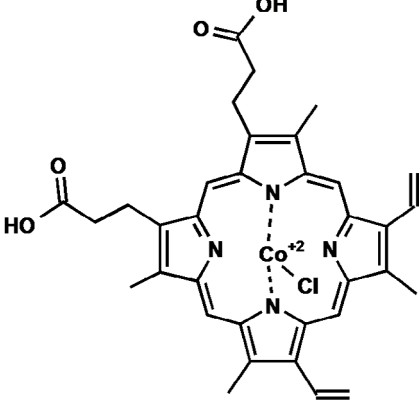
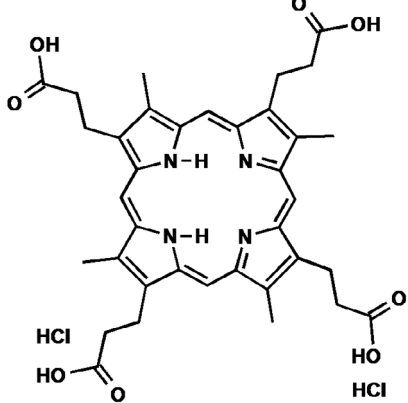
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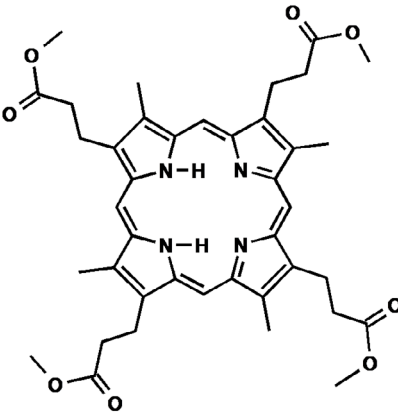
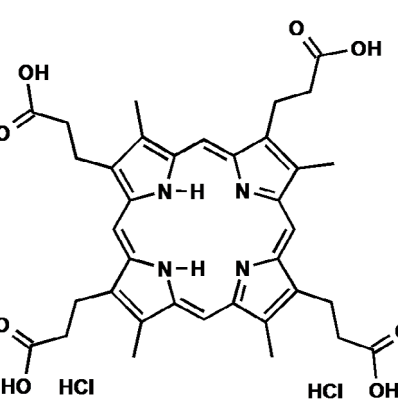
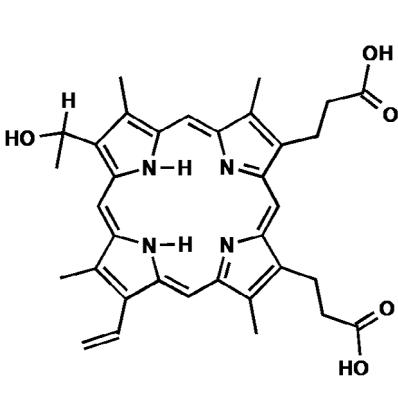
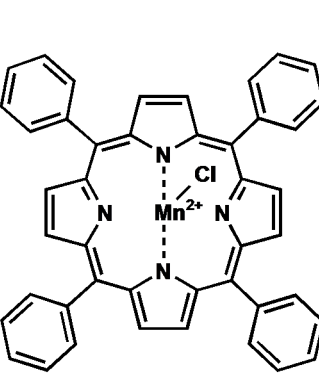


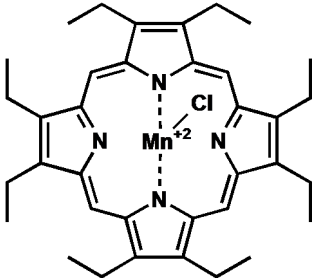
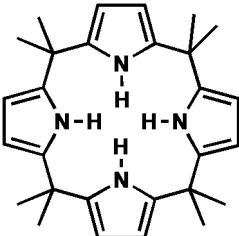
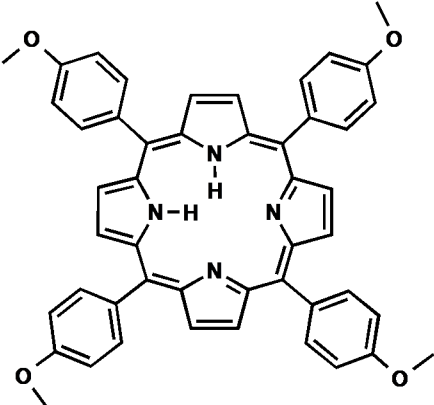
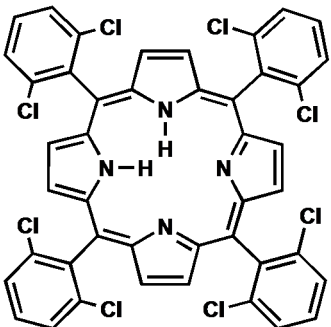
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10,20-di-(3,5-di- <i>t</i> -Butylphenyl)-21,23-H-porphyrin		— —	VL120008- DSP-057
2,3,7,8,12,13,17,18-Octaethyl porphyrin		2683-82-1 MFCD00009627	VL120023- DYB-856
5,10,15,20-Tetrakis(2,4,6-trimethylphenyl)-21,23H-porphine		56396-12-4 MFCD01321200	VL120047- DYB-881
5,10,15,20-Tetrakis-(2,6-dichlorophenyl)-porphyrin copper (II)		— MFCD06227758	VL120058- DCP-26CU

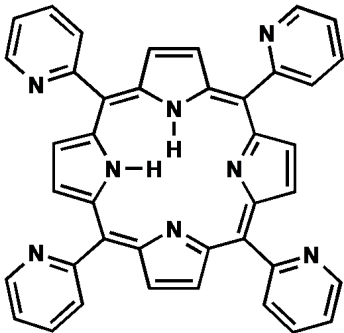
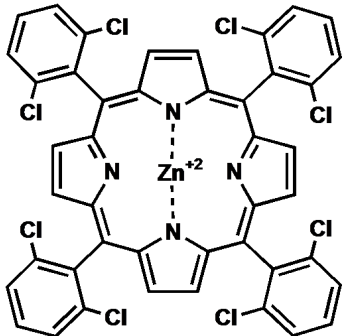
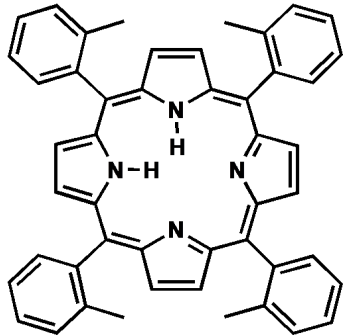
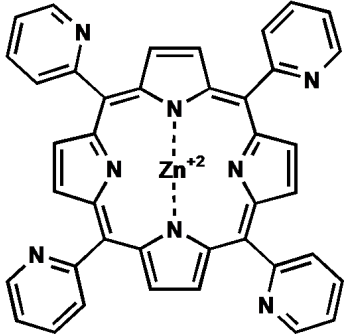
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5,10,15,20-Tetrakis(3,5-dimethoxyphenyl)porphyrin		74684-34-7 MFCD02093501	VL120065- DYB-899
5,10,15,20-Tetrakis(4-nitrophenyl)porphyrin		22843-73-8 MFCD01548089	VL120048- DYB-882
5,10,15,20-Tetraphenyl-21,23H-porphine nickel (II)		14172-92-0 MFCD00010727	VL120003- DYB-896
5,15-Diphenyl-10,20-di(4-carboxyphenyl)porphine		142168-26-1 —	VL120045- DYB-879

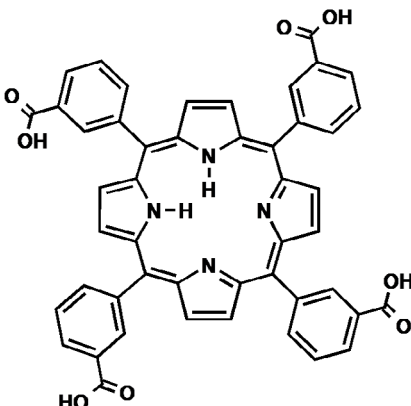
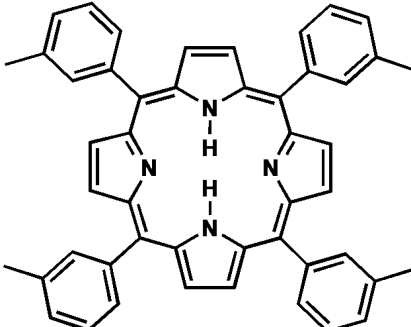
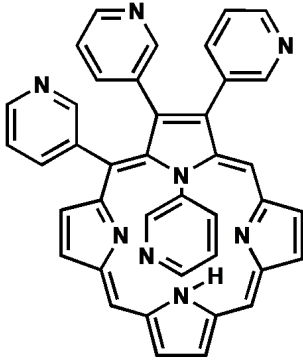
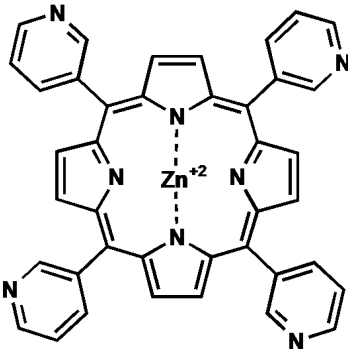
Name	Structure	CAS # MDL #	Product #
Bilirubin	 The chemical structure of Bilirubin is a linear tetrapyrrole. It consists of four pyrrole rings connected by methylene bridges. The terminal rings are substituted with vinyl groups and a formyl group. The central rings are substituted with methyl groups and have a central nitrogen atom that is part of a conjugated system. The structure is shown in a skeletal representation with all atoms and bonds explicitly drawn.	635-65-4 <i>MFCD00005499</i>	VL120028- DYB-862
Bilirubin dimethyl ester	 The chemical structure of Bilirubin dimethyl ester is identical to Bilirubin, except that the formyl groups at the terminal rings are converted to methyl ester groups. The structure is shown in a skeletal representation with all atoms and bonds explicitly drawn.	19792-68-8 <i>MFCD08669553</i>	VL120029- DYB-863
Biliverdin dihydrochloride	 The chemical structure of Biliverdin dihydrochloride is a linear tetrapyrrole. It consists of four pyrrole rings connected by methylene bridges. The terminal rings are substituted with vinyl groups and a formyl group. The central rings are substituted with methyl groups and have a central nitrogen atom that is part of a conjugated system. The structure is shown in a skeletal representation with all atoms and bonds explicitly drawn.	55482-27-4 <i>MFCD00012725</i>	VL120018- DYB-851
Biliverdin dimethyl ester	 The chemical structure of Biliverdin dimethyl ester is identical to Biliverdin, except that the formyl groups at the terminal rings are converted to methyl ester groups. The structure is shown in a skeletal representation with all atoms and bonds explicitly drawn.	10035-62-8 <i>MFCD08669552</i>	VL120017- DYB-850

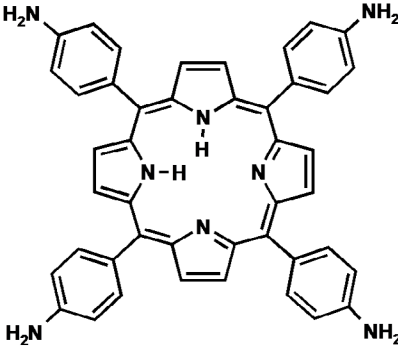
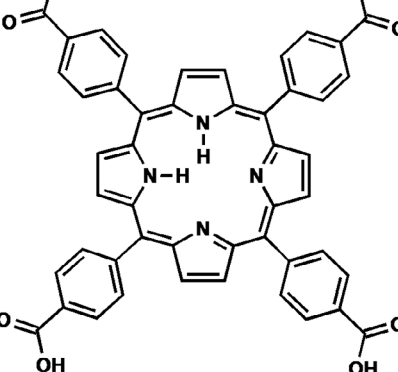
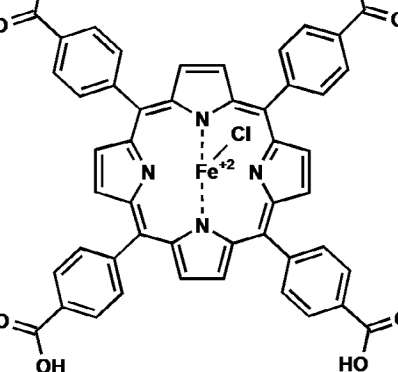
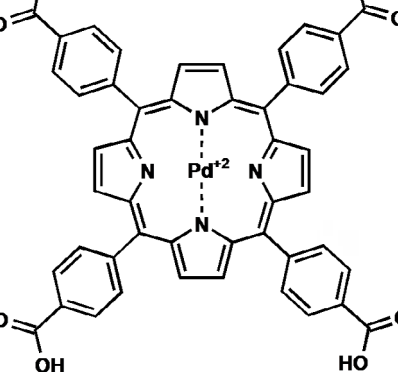
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Chlorin E6 / Phytyochlorin		19660-77-6 MFCD08669566	VL120019- DYB-852
Cobalt (II) tetracarboxyphthalocyanine		69934-86-7 —	VL120040- DYB-874
Cobaltic protoporphyrin IX chloride		102601-60-5 MFCD00216774	VL120030- DYB-864
Coproporphyrin I dihydrochloride		69477-27-6 MFCD00013469	VL120031- DYB-865

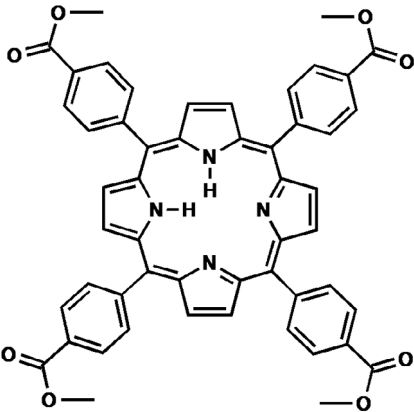
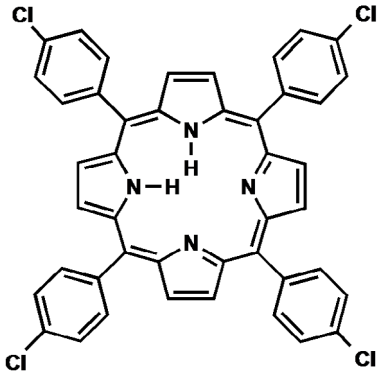
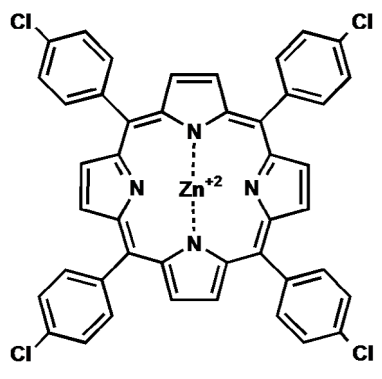
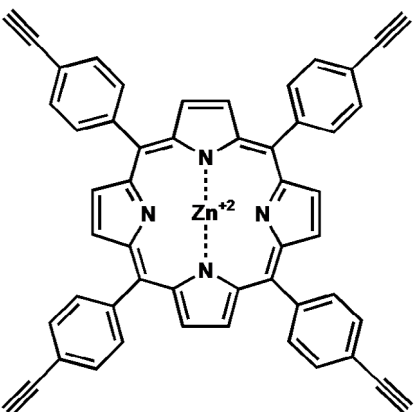
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Coproporphyrin I tetramethyl ester		25767-20-8 MFCD00079038	VL120032- DYB-866
Coproporphyrin III dihydrochloride		14643-66-4 MFCD00058927	VL120033- DYB-867
Deuteroporphyrin IX 2,4 (4,2) hydroxyethyl vinyl		77222-65-2 MFCD08669589	VL120035- DYB-869
Manganese (III) 10,12,13,23-tetraphenyl- 21H-porphyrin trichloride		32195-55-4 MFCD00012153	VL120039- DYB-873

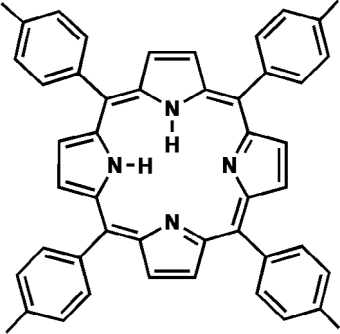
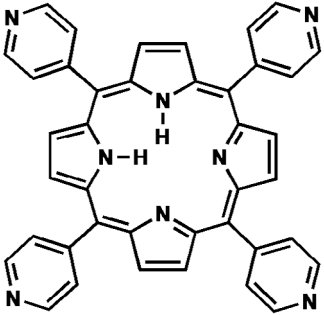
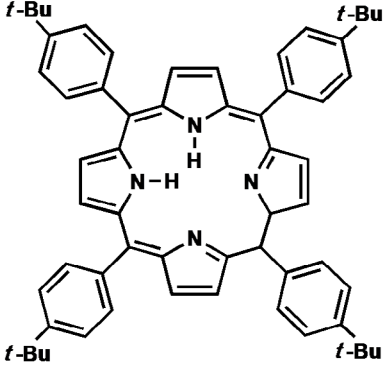
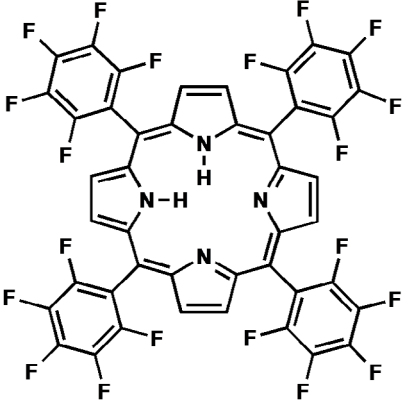
Name	Structure	CAS # MDL #	Product #
Manganese (III) octaethylporphine chloride		28265-17-0 <i>MFCD00074839</i>	VL120043- DYB-877
meso-Octamethylcalix[4] pyrrole		4475-42-7 <i>MFCD00208353</i>	VL120036- DYB-870
meso-Tetra(4-methoxyphenyl)porphyrin		22112-78-3 <i>MFCD00012072</i>	VL120064- DYB-898
meso-Tetra (2,6-dichlorophenyl) porphine		32350-86-0 <i>MFCD00191500</i>	VL120012- DSP-050

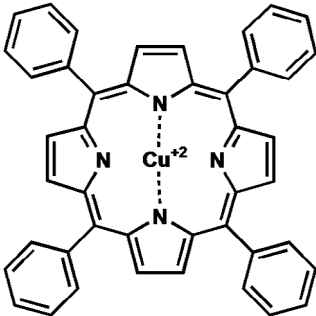
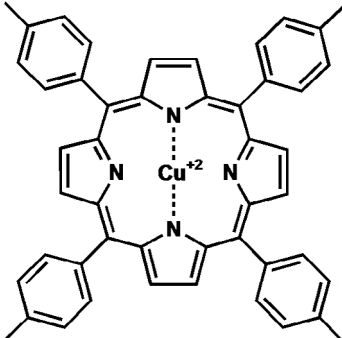
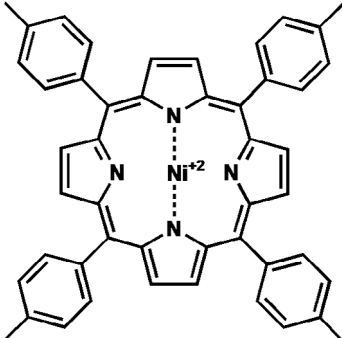
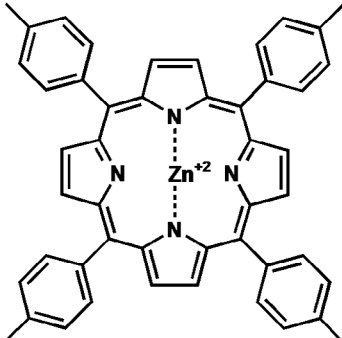
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meso-Tetra(2,6- dichlorophenyl)porphyrin- zinc (II)		100506-72-7 —	VL120014- DSP-054
meso-Tetra(2-methylphenyl) porphine		37083-40-2 MFCD01074421	VL120051- DYB-885
meso-Tetra(2-pyridyl) porphyrin-zinc (II)		— —	VL120007- DSP-055

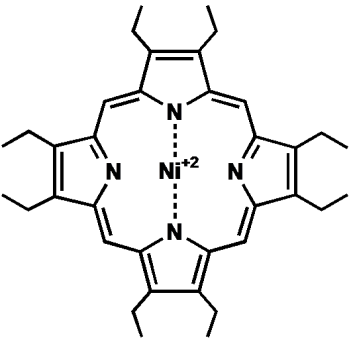
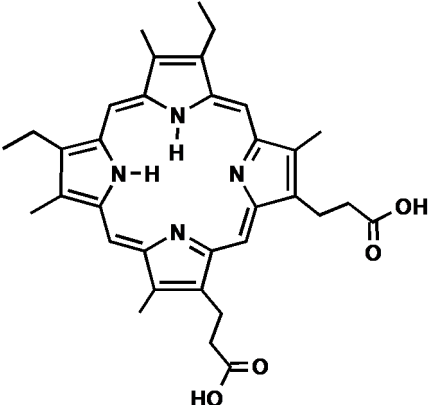
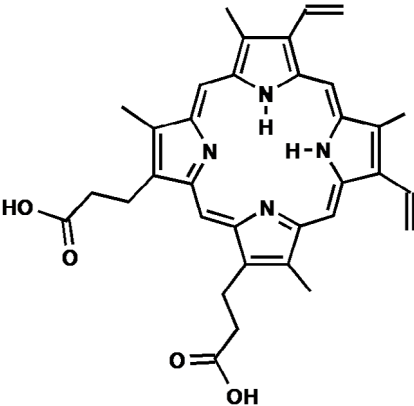
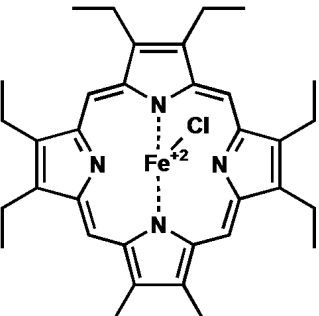
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meso-Tetra(3-carboxyphenyl)porphine		— —	VL120057- DYB-891
meso-Tetra(3-methylphenyl)porphine		50849-45-1 MFCD02114464	VL120050- DYB-884
meso-Tetra(3-pyridyl)porphyrin		40882-83-5 MFCD00600955	VL120016- DSP-046
meso-Tetra(3-pyridyl)porphyrin-zinc (II)		— —	VL120015- DSP-056

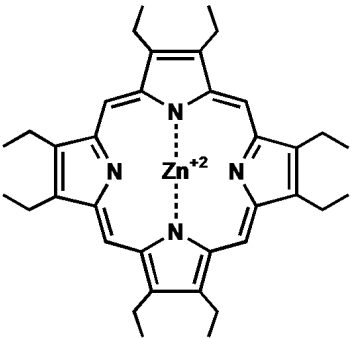
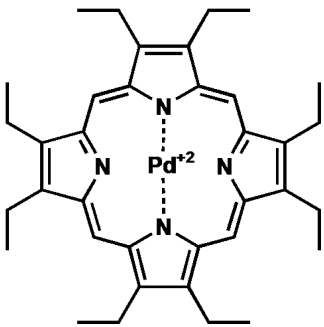
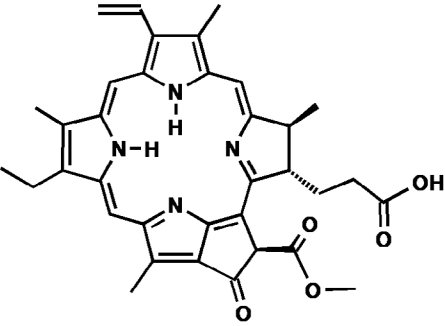
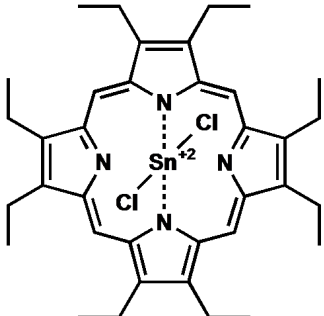
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meso-Tetra(4-carboxyphenyl)porphine		14609-54-2 <i>MFCD00064860</i>	VL120056- DYB-890
meso-Tetra(4-carboxyphenyl)porphine chloride iron (III)		55266-17-6 <i>MFCD03425968</i>	VL120054- DYB-888
meso-Tetra(4-carboxyphenyl)porphine palladium (II)		94288-44-5 <i>MFCD00672300</i>	VL120055- DYB-889

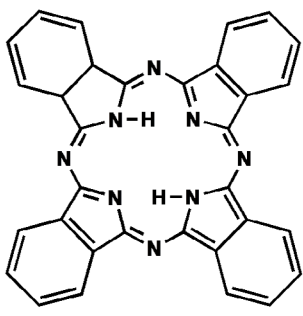
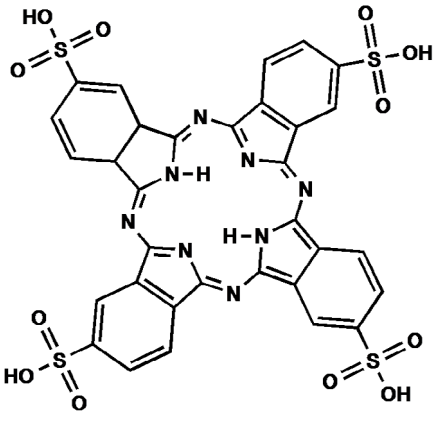
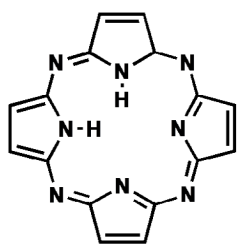
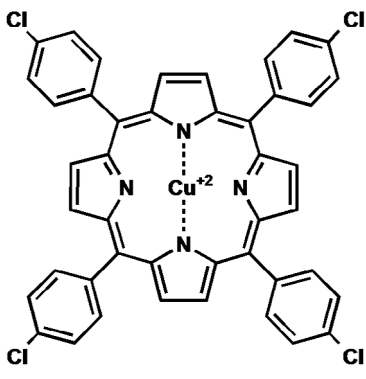
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meso-Tetra(4-carboxyphenyl)porphine tetramethyl ester		22112-83-0 MFCD00218869	VL120053- DYB-887
meso-Tetra(4-chlorophenyl)porphine		22112-77-2 MFCD00830318	VL120002- DSP-047
meso-Tetra(4-chlorophenyl)porphyrin-zinc (II)		— —	VL120013- DSP-052
meso-Tetra(4-ethynylphenyl)porphine zinc (II)		502613-00-5 MFCD22392283	VL120049- DYB-883

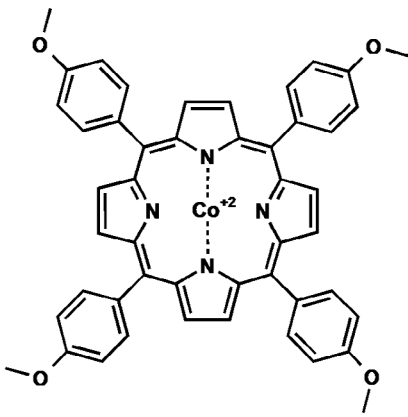
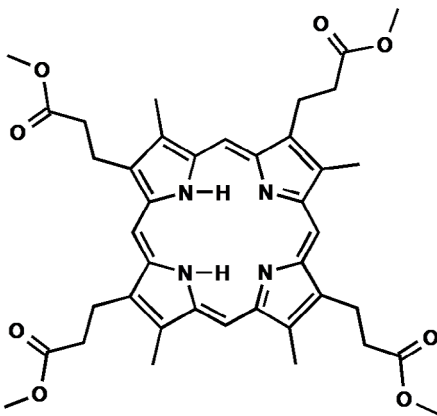
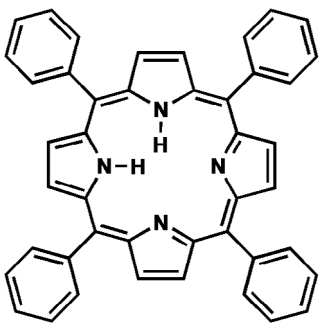
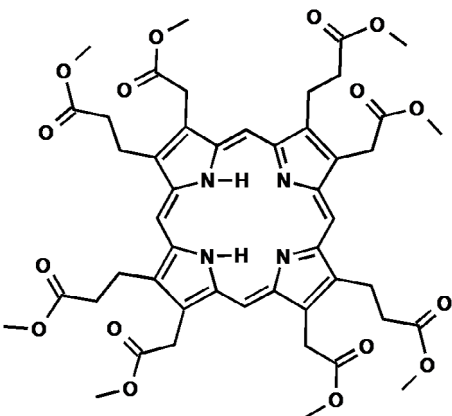
Name	Structure	CAS # MDL #	Product #
meso-Tetra(4-methylphenyl) porphine		14527-51-6 MFCD00239499	VL120004- DSP-049
meso-Tetra(4-pyridyl) porphine		16834-13-2 MFCD00009626	VL120010- DSP-075
meso-Tetra(4-tert-butylphenyl) porphine		110452-48-7 MFCD20502349	VL120046- DYB-880
meso-Tetra(pentafluorophenyl) porphyrin		25440-14-6 MFCD00010032	VL120009- DSP-PFP-100

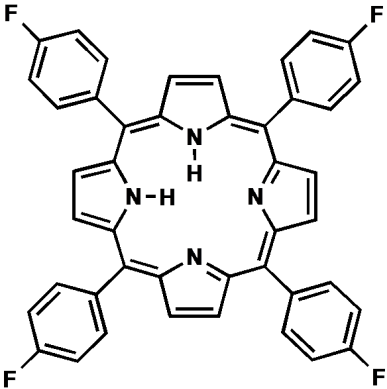
Name	Structure	CAS # MDL #	Product #
meso-Tetraphenylporphine copper (II)		14172-91-9 MFCD00148862	VL120059- DYB-892
meso-Tetratolylporphyrin copper (II)		19414-66-5 MFCD03453177	VL120060- DYB-893
meso-Tetratolylporphyrin- nickel (II)		58188-46-8 MFCD03453180	VL120062- DYB-895
meso-Tetratolylporphyrin- zinc (II)		19414-67-6 MFCD03453183	VL120006- DSP-053

Name	Structure	CAS # MDL #	Product #
Nickel (II) octaethylporphine		24803-99-4 MFCD00010242	VL120022- DYB-855
N-Methyl mesoporphyrin IX		142234-85-3 MFCD00216786	VL120020- DYB-853
N-Methyl Protoporphyrin IX		79236-56-9 MFCD08669600	VL120021- DYB-854
Octaethylporphine chloride iron (III)		28755-93-3 MFCD00011614	VL120041- DYB-875

Name	Structure	CAS # MDL #	Product #
Octaethylporphine zinc (II)		17632-18-7 MFCD00012156	VL120038- DYB-872
Palladium (II) octaethylporphine		24804-00-0 MFCD00192364	VL120042- DYB-876
Pheophorbide A		15664-29-6 MFCD00210345	VL120024- DYB-857
Phthalate Ionophore I		25777-43-9 MFCD11975208	VL120044- DYB-878

Name	Structure	CAS # MDL #	Product #
Phthalocyanine		574-93-6 MFCD00005085	VL120025- DYB-858
Phthalocyanine tetrasulfonic acid		33308-41-7 MFCD00216792	VL120026- DYB-859
Porphine		101-60-0 MFCD00056811	VL120027- DYB-860
Tetrakis-(4-chlorophenyl)-porphyrin-copper (II)		— —	VL120061- DYB-894

Name	Structure	CAS # MDL #	Product #
tetra-Methoxyphenylporphyrin cobalt (II)		28903-71-1 MFCD00010724	VL120063- DYB-897
Coproporphyrin III tetramethyl ester		5522-63-4 MFCD00213501	VL120034- DYB-868
Tetraphenyl porphine		917-23-7 MFCD00011680	VL120001- DSP-045
Uroporphyrin III octamethyl ester		15435-60-6 MFCD00058738	VL120037- DYB-871

Name	Structure	CAS # MDL #	Product #
5,10,15,20-Tetrakis(4-fluorophenyl)-21H,23H-porphine		37095-43-5 <i>MFCD01941197</i>	VL120052- DYB-886

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110452-48-7	VL120046-DYB-880	meso-Tetra(4-tert-butylphenyl) porphine	16
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Porphyrin Collection