



	Structure	R ¹	R ²	R ³	R ⁴	R ⁵
Rhodin g ₇	I	CHO	2H	CH ₂ COOH	COOH	-
Cu-rhodin g ₇	I	CHO	Cu ⁺²	CH ₂ COOH	COOH	-
Chlorin e ₆	I	CH ₃	2H	CH ₂ COOH	COOH	-
Chlorin e ₄	I	CH ₃	2H	CH ₃	COOH	-
Chlorophyllide a	II	CH ₃	Mg ⁺²	H	COOCH ₃	H
Cu-chlorin e ₆	I	CH ₃	Cu ⁺²	CH ₂ COOH	COOH	-
Cu-isorhodin g ₅	I	CHO	Cu ⁺²	CH ₂ COOH	H	-
Pheophorbide b	II	CHO	2H	H	COOCH ₃	H
Cu-chlorin e ₄	I	CH ₃	Cu ⁺²	CH ₃	COOH	-
Purpurin 5b	I	CHO	2H	CO	COOH	-
Pheophorbide a	II	CH ₃	2H	H	COOCH ₃	H
Pyropheophorbide a	II	CH ₃	2H	H	H	H
Purpurin 18a	III	CH ₃	2H	-	-	-
13 ² -OH pheophorbide a	II	CH ₃	2H	OH	COOCH ₃	H
Cu-purpurin 18a	III	CH ₃	Cu ⁺²	-	-	-
Cu-pheophorbide a	II	CH ₃	Cu ⁺²	H	COOCH ₃	H
Cu-pyropheophorbide a	II	CH ₃	Cu ⁺²	H	H	H
Chlorophyll b	II	CHO	Mg ⁺²	H	COOCH ₃	C ₂₀ H ₄₀
Chlorophyll a	II	CH ₃	Mg ⁺²	H	COOCH ₃	C ₂₀ H ₄₀
15 ¹ -OH-lactone-pheophytin a	IV	CH ₃	2H	-	-	C ₂₀ H ₄₀
13 ² -OH-pheophytin b	II	CHO	2H	OH	COOCH ₃	C ₂₀ H ₄₀
13 ² -OH-pheophytin a	II	CH ₃	2H	OH	COOCH ₃	C ₂₀ H ₄₀
Pheophytin b	II	CHO	2H	H	COOCH ₃	C ₂₀ H ₄₀
Pheophytin a	II	CH ₃	2H	H	COOCH ₃	C ₂₀ H ₄₀
Pyropheophytin a	II	CH ₃	2H	H	H	C ₂₀ H ₄₀
Cu-pyropheophytin a	II	CH ₃	Cu ⁺²	H	H	C ₂₀ H ₄₀