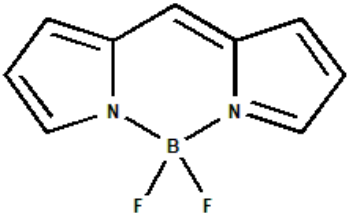
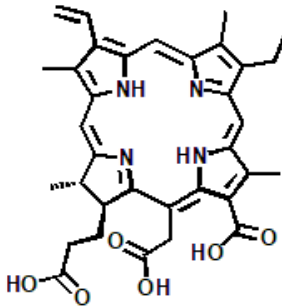
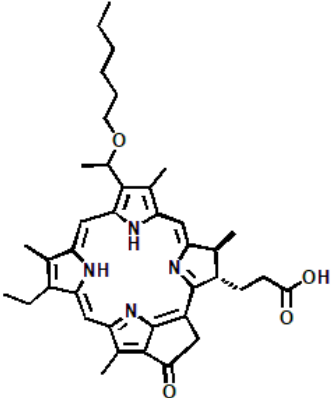
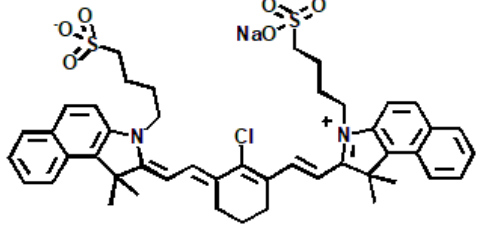
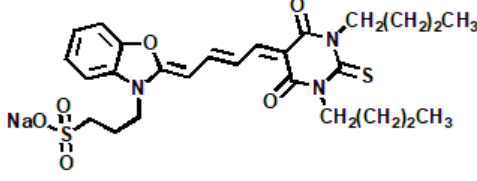
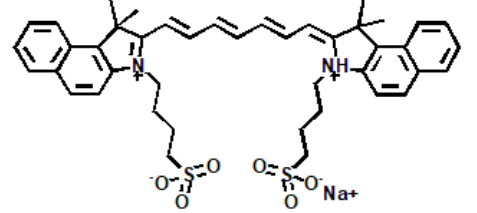
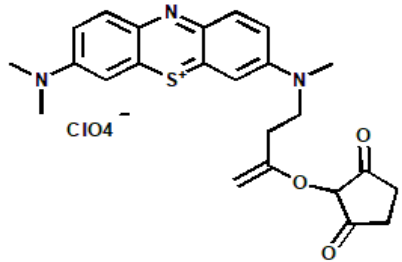
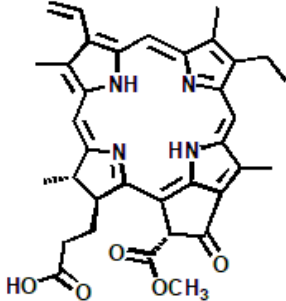
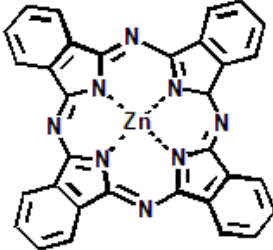
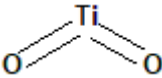
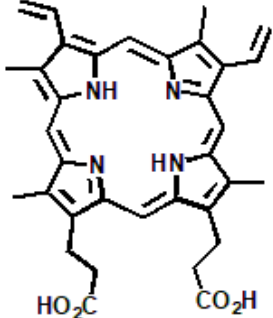


Supplementary Table 1: Chemical structures and absorption wavelengths of various photosensitizers utilized for active targeted PDT treatment of breast cancer

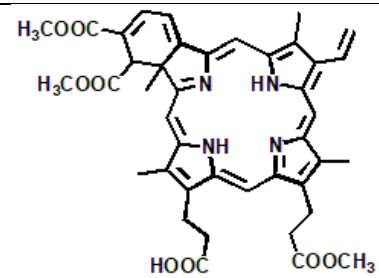
Type of PS	PS	Absorption wavelength (nm)	Chemical structure	Ref.
BODIPY-type	Boron dipyrromethene (BODIPY)	665		[1, 2]
	Chlorin e6 (Ce6)	670		[3]
Chlorines	(2-[1-hexyloxyethyl]-2-devinylpyropheophorbide-alpha (HPPH)	665		[4]

	IR820 dye	819		[5]
Cyanines	Merocyanin 540 (MC 540)	540		[6]
	Indocyanine green (ICG)	780		[7]
Dye-type	Methylene blue succinimidyl ester (MB-SE)	666		[8]

Herbal extracts	Pheophorbide A (PheoA)	667		[9]
Metalphthalocyanines	Zinc phthalocyanine (ZnPc)	674		[10]
Nanostructured metal oxides	TiO ₂ NPs	423		[11]
Porphyrins	Protoporphyrin IX (PpIX)	635		[12]

Benzoporphyrin
derivative
monoacid (BPD)

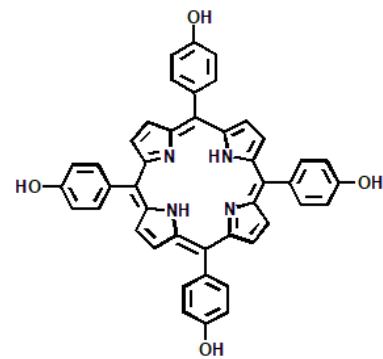
690



[13]

5,10,15,20-
tetrakis(4-
hydroxyphenyl)-
21H,23H-
porphyrin (tHPP)

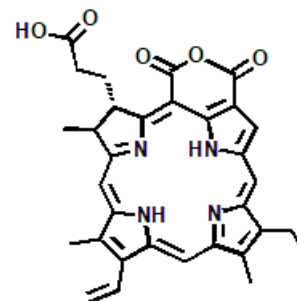
420



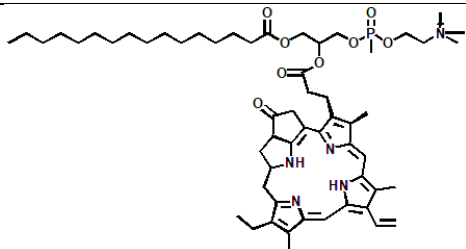
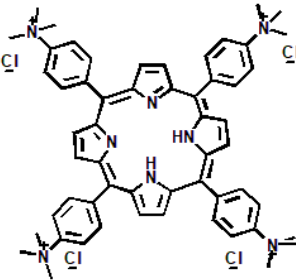
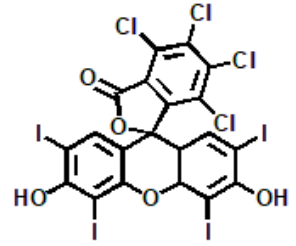
[14]

Purpurin-18

699



[15]

				
	Pyrolipid	665		[16]
	Meso-tetra-(4-N,N,N-trimethylanilinium)-porphine (TMAP)	630		[17, 18]
Xanthenes	Rose bengal (RB)	562		[19]