

Product Information

Chlorin E6, Purity $\geq 98\%$

Cat. No.: X24-09-YM1264

Size: 100 mg; 250 mg; 500 mg; 1000 mg

CAS Number: 19660-77-6

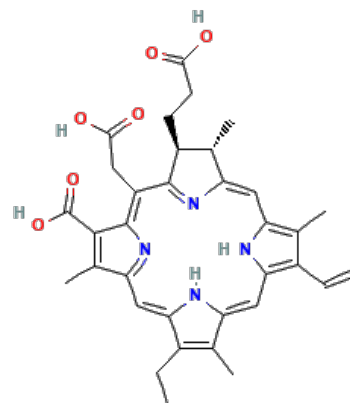
Compound CID: 5479494

Synonym: 19660-77-6; Chlorin-E6;

(17S,18S

)-18-(2-Carboxyethyl)-20-(carboxymethyl)-12-ethenyl-7-ethyl-3,8,13,17-tetramethyl-17

,18,22,23-tetrahydroporphyrin-2-carboxylic acid



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Chlorin E6 is a natural molecule and a promising photosensitizer. The molecular weight of the compound is 596.67, and its molecular formula is $C_{34}H_{36}N_4O_6$.
Molecular Weight	596.67
Molecular Formula	$C_{34}H_{36}N_4O_6$
IUPAC Name	(17S,18S)-18-(2-Carboxyethyl)-20-(carboxymethyl)-12-ethenyl-7-ethyl-3,8,13,17-tetramethyl-17,18,22,23-tetrahydroporphyrin-2-carboxylic acid
InChI	InChI=1S/C34H36N4O6/c1-7-19-15(3)23-12-25-17(5)21(9-10-29(39)40)32(37-25)22(11-30(41)42)33-31(34(43)44)18(6)26(38-33)14-28-20(8-2)16(4)24(36-28)13-27(19)35-23/h7,12-14,17,21,35-36H,1,8-11H2,2-6H3,(H,39,40)(H,41,42)(H,43,44)/t17-,21-/m0/s1
InChI Key	OYINILBBZAQBEV-UWJYYQICSA-N
Canonical SMILES	<chem>CCC1=C(C2=CC3=C(C(=C(N3)C=C4C(C(C(=N4)C(=C5C(=C(C(=N5)C=C1N2)C)C(=O)O)CC(=O)O)CCC(=O)O)C)C)C=C)C</chem>
Isomeric SMILES	<chem>C1CC(=O)N(C1=O)OC(=O)CCCCNC(=O)CCCC[C@H]2[C@@H]3[C@H](CS2)NC(=O)N3</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	Chlorin E6 can be used for its efficacy against various tumors and microbial infections.
Storage	Store at -20°C, and keep desiccated.
