

Bacteriochlorophyll a

产品编号: D51548

CAS: 17499-98-8

分子式: C₅₅H₇₄MgN₄O₆

纯度: ≥98%

InChi: InChI=1S/C₅₅H₇₅N₄O₆.Mg/c1-13-39-34(7)41-29-46-48(38(11)60)36(9)43(57-46)27-42-35(8)40(52(58-42)50-51(55(63)64-12)54(62)49-37(10)44(59-53(49)50)28-45(39)56-41)23-24-47(61)65-26-25-33(6)22-16-21-32(5)20-15-19-31(4)18-14-17-30(2)3;/h25,27-32,34-35,39-40,51H,13-24,26H2,1-12H3,(H-,56,57,58,59,60,62);/q-1;+2/p-1/b33-25+;/t31-,32-,34-,35+,39-,40+,51-;/m1./s1

InChi Key: DSJXIQQMORJERS-AGGZHHOMASA-M

Smiles: [Mg+2].CC(C)CCC[C@@H](C)CCC[C@@H](C)CCC/C(C)=C/COC(=O)CC[C@H]1[C@H](C)C2C=C3[N-]C(=CC4=NC(=CC5[N-]C6=C(C(=O)[C@H](C(=O)OC)C6=C1N=2)C=5C)[C@H](CC)[C@H]4C)C(C(C)=O)=C3C

外观: 固体粉末

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Bacteriochlorophyll a is a Bacteriochlorophyll from *Rhodopseudomonas sphaeroides*. Bacteriochlorophylls a, b, and g are bacteriochlorins, meaning their molecules have a bacteriochlorin macrocycle ring with two reduced pyrrole rings (B and D). Bacteriochlorophylls c, d, e, and f are chlorins, meaning their molecules have a chlorin macrocycle ring with one reduced pyrrole ring (D).