
Hexaminolevulinate hydrochloride

产品编号: D51515

CAS: 140898-91-5

分子式: C₁₁H₂₂ClNO₃

纯度: ≥98%

InChi: InChi=1S/C₁₁H₂₁NO₃.ClH/c1-2-3-4-5-8-15-11(14)7-6-10(13)9-12;/h2-9,12H₂,1H₃;1H

InChi Key: LZYXPFZBAZTOCH-UHFFFAOYSA-N

Smiles: Cl.CCCCCCOC(=O)CCC(=O)CN

外观: 固体粉末

作用通路: Others

溶解性: Soluble in DMSO, not in water

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

产品介绍: Hexaminolevulinate hydrochloride, also known as hexyl 5-aminolevulinate HCl, is the hexyl ester of 5-aminolevulinic acid (ALA) with photodynamic properties. As a precursor of photoactive porphorins, hexyl 5-aminolevulinate induces the endogenous production of the photosensitizer protoporphyrin IX (PPIX) which accumulates selectively in tumor tissue. When exposed to specific wavelengths of light, PPIX is activated and, depending on the wavelength and/or intensity of light, either fluoresces, thereby allowing tumor imaging, or induces tumor cell apoptosis.