5-Aminolevulinic acid hydrochloride, precursor of protoporphyrin IX ab142998

Overview

Product name
5-Aminolevulinic acid hydrochloride, precursor of protoporphyrin IX

Description
Precursor of strong photosensitizing agent, protoporphyrin IX

Biological description
Precursor of strong photosensitizing agent, protoporphyrin IX. Promotes synthesis and accumulation of fluorescent porphyrins in tissues, visible under a nonlaser, blue light source. Reduces fat mass and mitochondrial content of adipocytes in vivo. Orally active.

CAS Number
5451-09-2

Chemical structure

![Chemical structure](image)

Properties

Chemical name
5-Amino-4-oxopentanoic acid hydrochloride salt

Molecular weight
167.59

Molecular formula
C$_5$H$_9$NO$_3$.HCl

PubChem identifier
123608

Storage instructions
Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in water to 100 mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
C(C(C(=O)O)C(=O)CN.Cl

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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