

5-Aminolevulinic acid (hydrochloride)

Catalog No: tcsc2575



Available Sizes

Size: 100mg

Size: 1g

Size: 5g

Size: 10g



Specifications

CAS No:

5451-09-2

Formula:

$C_5H_{10}ClNO_3$

Pathway:

Autophagy;Autophagy

Target:

Autophagy;Mitophagy

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 150 mg/mL (895.04 mM); H₂O : ≥ 50 mg/mL (298.35 mM)

Alternative Names:

ALA;5-ALA

Observed Molecular Weight:

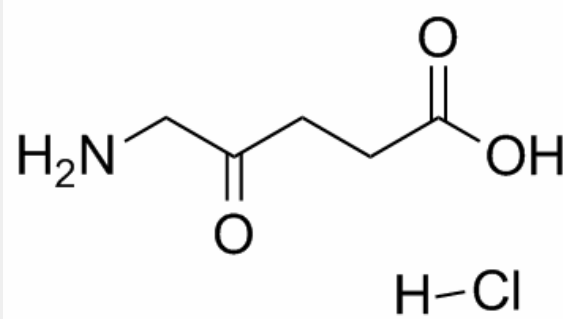
167.59

Product Description

5-Aminolevulinic acid HCl is an intermediate in heme biosynthesis in the body and the universal precursor of tetrapyrroles.

Target: Others

5-Aminolevulinic acid is a non-fluorescent prodrug that leads to intracellular accumulation of fluorescent porphyrins in malignant gliomas-a finding that is under investigation for intraoperative identification and resection of these tumours. Median follow-up was 35.4 months (95% CI 1.0-56.7). Contrast-enhancing tumour was resected completely in 90 (65%) of 139 patients assigned 5-aminolevulinic acid compared with 47 (36%) of 131 assigned white light (difference between groups 29% [95% CI 17-40], p



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