

ORGANICA®

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Version 06

Specification

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Code No. 60750

AICA

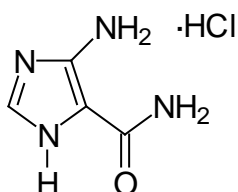
CAS No. 72-40-2

EEC No. 200-778-3

Chemical Name

4-Aminoimidazole-5-carboxamide hydrochloride

Structure



Molecular Formula

$C_4H_6N_4O \cdot HCl$

Molecular Weight 162,58

Product Properties

Appearance	Off-white to light-grey crystalline powder
IR-Identity	corresponds
Assay (%)	≥ 98,5 (AgNO ₃ -Titration)
Melting point (°C)	249 – 255 (DSC)
Loss on drying (%)	≤ 0,5 (105°C, IR)
Solubility (visual)	clear, no residue (5% water)
Heavy metals (ppm)	≤ 20 (as Pb)
Acetone (ppm)	≤ 500 (HS-GC)

Storage

Cool, dry, tightly closed; durability 12 months

Application

Intermediate in organic syntheses

Changes in comparison to previous issue: Product properties