

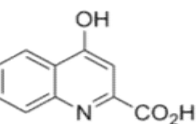
Certificate of Analysis



Product Identification

Catalog number HB0362
Compound name Kynurenic acid
Chemical name 4-Hydroxyquinoline-2-carboxylic acid

Batch number E1916-1-1
Batch molecular formula C₁₀H₇NO₃·1.1H₂O
Batch molecular weight 208.99



Chemical Structure

Method

QC requirement

QC Result

| | | |
|----------------------------|---|--|
| HPLC | Reverse Phase HPLC shows >98% purity | Meets specification: 100% |
| NMR | ¹ H NMR in DMSO at 400 MHz consistent with structure | Meets specification |
| Mass spectrum | Electrospray negative analysis shows molecular ion | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| Physical appearance | Off-white to pale yellow solid | Meets specification: Pale yellow solid |
| Solubility | Soluble in 0.1M NaOH (100 mM) and in DMSO (75 mM) | Meets specification |

Produced by

Signature

Passed by

Signature

Date

23/02/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.