

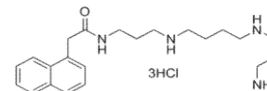
Certificate of Analysis



Product Identification

Catalog number HB0441
Compound name Naspam trihydrochloride
Chemical name N-[3-[4-[(3-Aminopropyl)amino]butyl]amino]propyl]-1-naphthaleneacetamide trihydrochloride
Batch number E2327-1-1
Batch molecular formula C₂₂H₃₄N₄O₃HCl₃·2.1H₂O
Batch molecular weight 517.75

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 97.6%
NMR	1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

15/08/2023

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