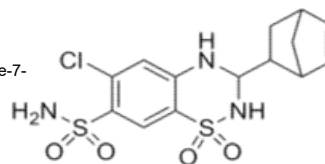


Certificate of Analysis



Product Identification

Catalog number HB0221
Compound name Cyclothiazide
Chemical name 6-Chloro-3,4-dihydro-3-(5-norbornen-2-yl)-2H-1,2,4-benzothiazidiazine-7-sulfonamide-1,1-dioxide
Batch number E0326-2-5
Batch molecular formula C₁₄H₁₆ClN₃O₄S₂·0.25H₂O
Batch molecular weight 398.88



Chemical Structure

Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
NMR	¹ H NMR in DMSO 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
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.18
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (25 mM)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

10-03-16

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

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