

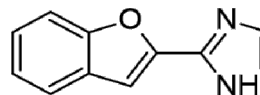
Certificate of Analysis



Product Identification

Catalog number HB7094
Compound name LSL-60101
Chemical name 2-(Benzofuran-2-yl)-1H-imidazole

Batch number E1949-9-2
Batch molecular formula C₁₁H₈N₂O
Batch molecular weight 184.20



Chemical Structure

Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in MeOD at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 5% MeOH/DCM with NH ₃ shows one spot under uv	Meets specification: R _f =0.6
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (100 mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

15/06/2022

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