

Certificate of Analysis

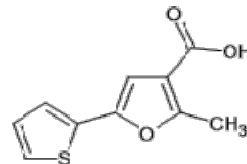


Product Identification

Catalog number HB8049
Compound name Jedi 2
Chemical name 2-Methyl-5-(2-thienyl)-3-furancarboxylic acid

Batch number E2279-1-1
Batch molecular formula $C_{10}H_8SO_3$
Batch molecular weight 208.23

Chemical Structure



Method

QC requirement

QC Result

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

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

22/06/2023

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