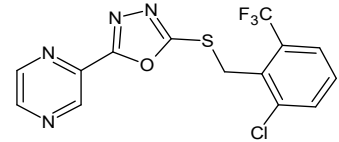


Certificate of Analysis



Product Identification

Catalog number	HB15754
Compound name	Yaddle1
Chemical name	2-[5-((2-chloro-6-(trifluoromethyl)phenyl)methyl)sulfanyl)-1,3,4-oxadiazol-2-yl]pyrazine
Basic molecular formula	C ₁₄ H ₈ ClF ₃ N ₄ OS
Basic molecular weight	372.75
Batch number	E2631-1-7
Batch molecular formula	C ₁₄ H ₈ ClF ₃ N ₄ OS
Batch molecular weight	372.75
Origin	Synthetic



Chemical Structure

Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.1%
NMR	¹ H NMR in d ₆ -DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive/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 40% EtOAc/iHex shows one spot under UV	Meets specification: R _f =0.48
Physical appearance	White to off-white solid	Meets specification: Off white solid
Solubility	Soluble in DMSO (100mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

20/12/2024

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