

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0311	
Compound name	GYKI 52466 dihydrochloride	
Chemical name	4-(8-Methyl-9H-1,3-dioxolo[4,5-h][2,3]benzodiazepin-5-yl)-benzenamine dihydrochloride	
Batch number	E0863-4-2	
Batch molecular formula	C ₁₇ H ₁₉ N ₃ O ₂ ·HCl·1.4H ₂ O	
Batch molecular weight	354.00	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.5%
NMR	¹ H 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
TLC	TLC analysis in 5% MeOH/DCM shows one spot under UV	Meets specification: R _f =0.25
Physical appearance	Yellow to orange solid	Meets specification: Yellow solid
Solubility	Soluble in water (10 mM with heating)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-05-19

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