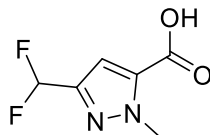




Certificate of Analysis



IUPAC	3-(difluoromethyl)-1-methyl-1H-pyrazole-5-carboxylic acid
Molecular Weight	176.12
Molecular Formula	C ₆ H ₆ F ₂ N ₂ O ₂
Physical State	Solid
Storage	-20 °C
Expiration Date	One year from date of receipt
Lot Number	

Analysis	Specification	Result
Physical Examination	White Solid	PASS
TLC	Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	PASS
Chemical Purity (HPLC)	>97%	PASS
Mass Spectroscopy	[M+H] ⁺ = 177.120 ± 1 amu	[M+H] ⁺ = 177.13
¹ H NMR	Consistent with structure	PASS

Approved by: