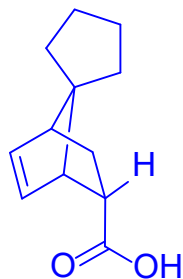




Certificate of Analysis



IUPAC	Spiro[bicyclo[2.2.1]heptane-7,1'-cyclopentan]-2-ene-5-carboxylic acid
Molecular Weight	192.26
Molecular Formula	C ₁₂ H ₁₆ O ₂
Physical State	Solid
Storage	-20 °C
Expiration Date	One year from date of receipt
Lot Number	BB 0280372

Analysis	Specification	Result
Physical Examination	White Solid	PASS
TLC	Ninhydrin: negative Iodine: one major spot	PASS
Chemical Purity (HPLC)	>95%	PASS
Mass Spectroscopy	[M+H] ⁺ = 193.26 ± 1 amu	[M+H] ⁺ = 193.2
¹ H NMR	Consistent with structure	PASS

Approved by The Head of Quality Assurance
Department: