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Specification

Chemical name	1-Methylimidazole-4-sulfonyl chloride
CAS number	137049-00-4
Molecular formula	C ₄ H ₅ ClN ₂ O ₂ S
Molecular weight	180.61
Appearance	White solid
Melting range	81-84 °C
Analysis (expected/found)	C: 26.60/26.51; H: 2.79/2.86 N: 15.51/15.41; S: 17.75/17.81
Purity by NMR	> 98 %
TLC	One spot (detection: UV)
MS	M+H ⁺ 180.8; M-H ⁻ : 179.1
¹H-NMR	Conform to structure
¹³C-NMR	Conform to structure
IR	Conform to structure