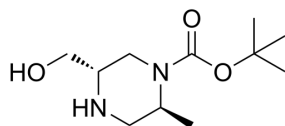


Certificate of Analysis

Product Name:	tert-Butyl (2S,5S)-5-(hydroxymethyl)-2-methylpiperazine-1-carboxylate
Cat. No.:	CS-0146581
CAS No.:	2375424-00-1
Batch No.:	Lg0129198267
Chemical Name:	1-Piperazinecarboxylic acid, 5-(hydroxymethyl)-2-methyl-, 1,1-dimethylethyl ester, (2S,5S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₁ H ₂₂ N ₂ O ₃
Molecular Weight:	230.30
Storage:	2-8°C, protect from light
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
Purity (NMR):	98%
OR[α](C=1.00 g/100ml ETOH):	61.8°
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA