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Product Specifications

Catalogue Number	07091
Product	(3R)-1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid <i>tert</i>-butyl ester hydrochloride D-Tic-OtBu•HCl
CAS Number	103733-29-5
Molecular Formula	C ₁₄ H ₁₉ NO ₂ •HCl
Molecular Weight	269.7
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Appearance	White crystals
Appearance of Solution	Clear, colorless solution (50 mg/ml in MeOH)
Elemental Analysis (Theory)	C=62.3%; H=7.5%; N=5.2%
Water Content (Karl Fisher)	≤ 0.5%
TLC System	Chloroform/ methanol/ acetic acid 85/10/5 Chloroform/ methanol/ toluene/ water 8/8/8/1 Plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = + 88 ± 2 ° (C=1 in MeOH)
Titration	≤ 13.1% (Chloride content, AgNO ₃)
Assay	≥ 99% (Cth 62.33% by elemental analysis)
Purity by TLC	≥ 99%
Storage	Store at 0-8°C

For Laboratory Use Only