

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

## Specification Sheet

Product Name: **(S)-4-Chloro-3-hydroxybutyric Acid Ethyl Ester(ATS-4)**  
Specifications & Purity: **96%**  
SKU #: **C108079**

Parameter	Limit Values
Purity(GC)	96-100 (%)
Refractive index n <sub>20</sub> /D	1.451-1.455
Density (20°C)	1.189-1.193
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	-16--13 (°)
Appearance (C108079)	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Phone: +86 400 620 6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

Tax ID: 91310000685518645K