

PRODUCT SPECIFICATION



Cat. No. **A-4410**
Product **L-Alanyl-L-alanine 4-nitroanilide hydrochloride**

L-Alanyl-N-(4-nitrophenyl)-L-alaninamide hydrochloride

H-Ala-Ala-pNA · HCl

CAS RN [50450-81-2]

M. F. C₁₂H₁₇ClN₄O₄

M. W. 316.75 g/mol

<i>Test</i>	<i>Specification</i>
Color	off-white to light yellow
Form	powder
Water Content (K. Fischer)	max. 1.0 %
Specific Optical Rotation [α]_D (c = 1 in water, 20°C)	-60.0 to -56.0
Purity (HPLC)	min. 99.0 area-%
Impurity (p-Nitroaniline, HPLC)	max. 0.1 %
FT-IR Spectrum	corresponds to reference spectrum
¹H-NMR Spectrum	corresponds to assigned structure
¹³C-NMR Spectrum	corresponds to assigned structure
Recommended Retest Period:	720 days

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