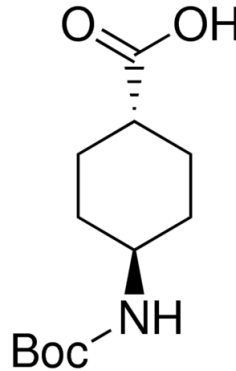


Product Specifications

trans-4-Boc Acid

trans-4-(Boc-amino)cyclohexanecarboxylic acid

CAS Number 53292-89-0
Molecular Formula C₁₂H₂₁NO₄
Formula Weight 243.30



Specifications

GMP Manufactured Product

Test	Specification
Appearance	White or off-white crystalline solid
Identification (IR)	Passes Test
Identification (HPLC)	Passes Test
Melting Point	181 – 185°C
Assay (HPLC)	98.0 – 101.0%
Related Substances (HPLC)	
4-Aminocyclohexane carboxylic acid	≤ 0.40%
<i>cis</i> -N-Boc Acid	≤ 0.20%
PABA	≤ 0.20%
Impurity m/z 368	≤ 0.20%
Individual unspecified impurity	≤ 0.20%
Total Impurities	≤ 1.5%
Moisture (KF)	≤ 0.5%
Residue on Ignition	≤ 0.2%
Rh Residue	≤ 10 ppm
Residual Solvents	
Methanol	≤ 3000 ppm
Acetone	≤ 5000 ppm
Acetic Acid	≤ 5000 ppm
Bromoethane	≤ 21 ppm

Retest Date

Three years from date of manufacture

Country of Origin

China

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trans-4-(Boc-amino)cyclohexanecarboxylic acid