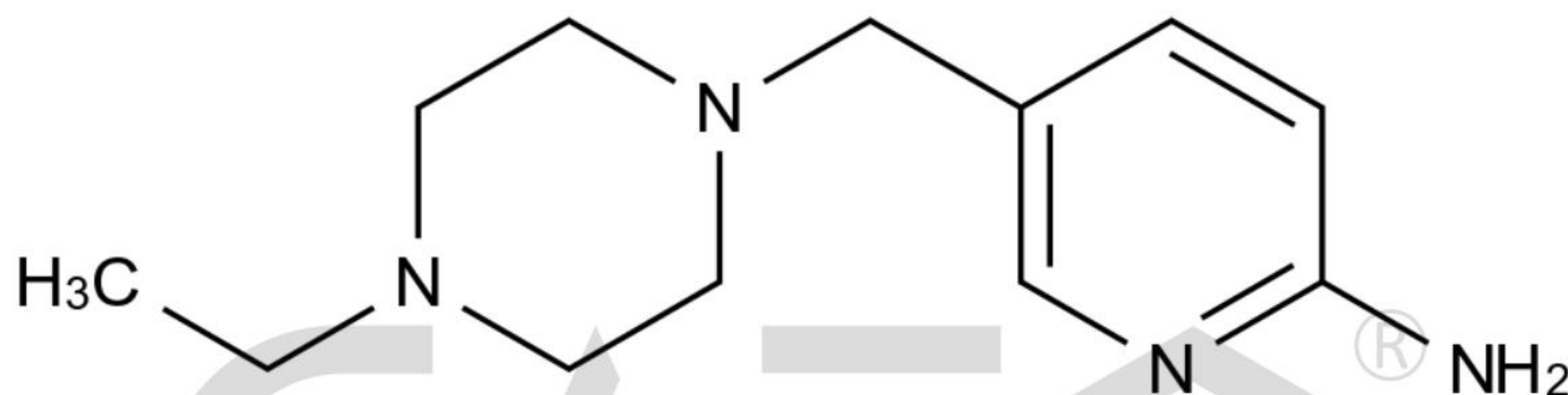


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Amino-5-[(4-ethyl-1-piperazinyl)methyl]pyridine	Catalogue Number:	C1095753
Synonyms:	N/A	Lot Number:	0708-RF-0034
CAS Number:	1180132-17-5	Expiry Date:	Jul 11, 2028
Molecular Formula:	C ₁₂ H ₂₀ N ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.31	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	15.3662%
Loss On Drying	TGA	3.0533%
Assay		81.6%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 12, 2024

Date: Jul 12, 2024

Date: Jul 12, 2024

