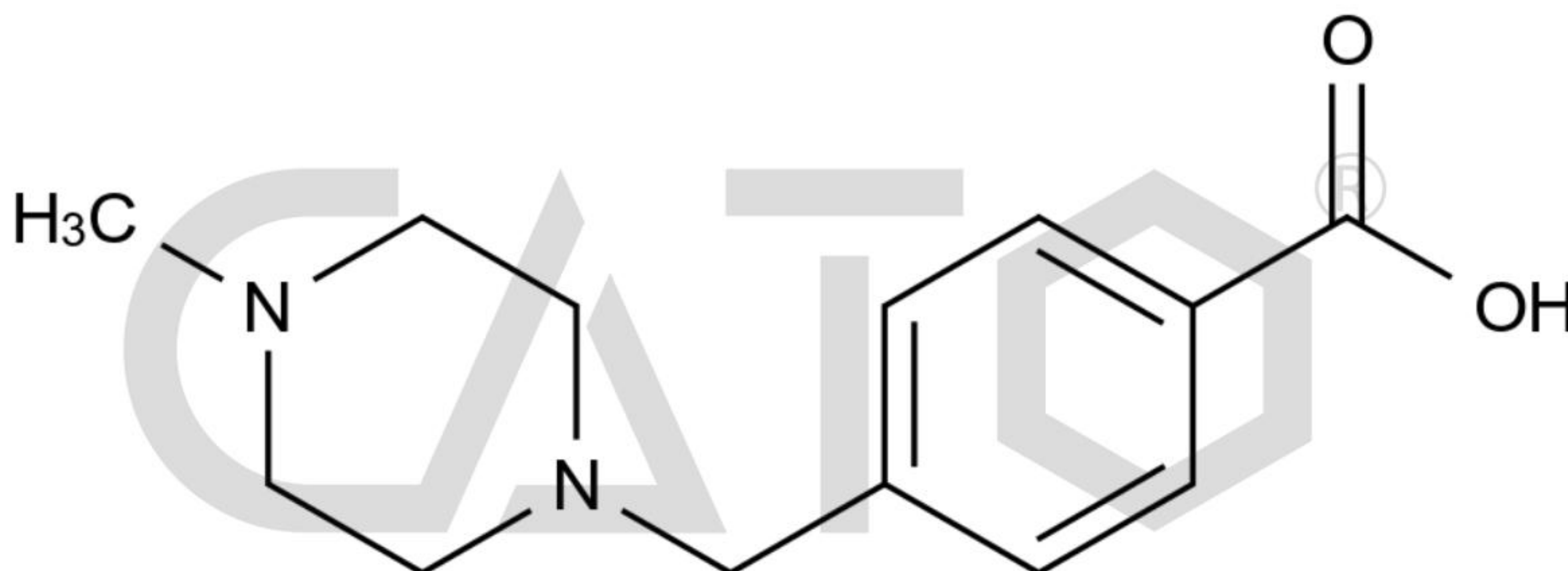


Certificate of Analysis

Reference Material & Standard

Product Name:	4-((4-Methylpiperazin-1-yl)methyl)benzoic acid	Catalogue Number:	C1043759
Synonyms:	N/A	Lot Number:	1030-RG-0125
CAS Number:	106261-48-7	Expiry Date:	Nov 05, 2029
Molecular Formula:	C ₁₃ H ₁₈ N ₂ O ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	234.29	Shipping Condition:	Shipping at Room Temperature
Solubility:	Water	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.528%
Loss On Drying	TGA	8.9503%
Assay		90.6%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 06, 2025

Date: Nov 06, 2025

Date: Nov 06, 2025



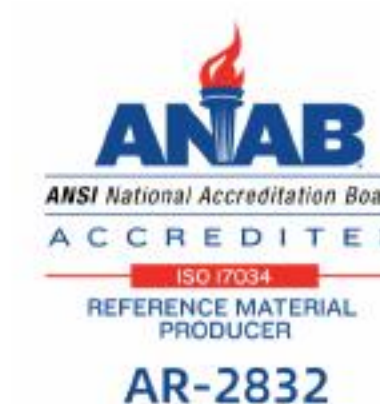
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