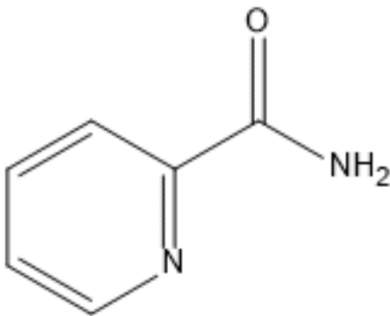


## Certificate of Analysis

Catalog Number	BP14110
Product Name	Picolinamide

## Physical and Chemical Properties

Synonyms	2-Pyridinecarboxamide, Picolinoylamide, 2-Carbamoylpyridine, 2-Picolinamide
CAS No.	1452-77-3
Chemical Formula	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O
Molecular Weight	122.127
Solubility	DMSO: 23 mg/mL (188.3 mM) Ethanol: 23 mg/mL (188.3 mM); H <sub>2</sub> O: 22 mg/mL (180.2 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Picolinamide is found to be a strong inhibitor of poly (ADP-ribose) synthetase of nuclei from rat pancreatic islet cells.
Targets&IC50	PARP:95 $\mu$ M
In vitro	In AR-HEK293 cells stably expressing full-length hAR, ODM-201 inhibits human AR (hAR) with IC50 of 26 nM. ODM-201 inhibits VCaP cell proliferation with IC50 of 230 nM, while has no effect on the viability of AR-negative cell lines tested, DU-145 prostate cancer cells and H1581 lung cancer cells.
In vivo	Overnight treatment of rats with picolinamide, administered as a single injection (4 mmol/kg), inhibits Na <sup>+</sup> /phosphate cotransport by isolated renal brush border membrane vesicles. There is only a small increase (1.5-fold) in renal cortical NAD content after picolinamide treatment.

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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