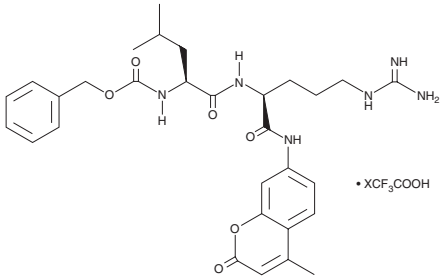
PRODUCT INFORMATION

6-Chloro-4-iodonicotinic Acid

Item No. 46499

CAS Registry No.:	1211578-80-1
Formal Name:	6-chloro-4-iodo-3-pyridinecarboxylic acid
MF:	$C_6H_3ClINO_2$
FW:	283.5
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

6-Chloro-4-iodonicotinic acid is supplied as a solid. A stock solution may be made by dissolving the 6-chloro-4-iodonicotinic acid in the solvent of choice, which should be purged with an inert gas. 6-Chloro-4-iodonicotinic acid is soluble (≥10 mg/ml) in DMSO and sparingly soluble (1-10 mg/ml) in ethanol.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of 6-chloro-4-iodonicotinic acid can be prepared by directly dissolving the solid in aqueous buffers. 6-Chloro-4-iodonicotinic Acid is slightly soluble (0.1-1 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

6-Chloro-4-iodonicotinic acid is a synthetic intermediate.[1] It has been used in the synthesis of an inhibitor of the ATPase activity of DNA polymerase θ.

Reference

1. Mochirian, P., Papp, R., Mathieu, M.C., *et al.* The discovery of rp-2119: A potent, selective, and orally bioavailable polθ atpase inhibitor. *J. Med. Chem.* **68(18)**, 19726-19745 (2025).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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