

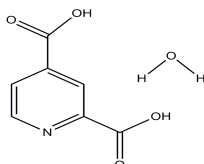
PRODUCT: HDM Inhibitor, 2, 4-PDCA

ALTERNATE NAME: 2,4-Pyridinecarboxylic acid, monohydrate

CATALOG #: 2304-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:

MOLECULAR FORMULA: C₇H₅N₄ · H₂O

MOLECULAR WEIGHT: 185.13

CAS NUMBER: 207671-42-9

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: ≥98% by titration

STORAGE: At -20° C. Protect from air and light

DESCRIPTION: A histone-lysine demethylase (HKDM) inhibitor. Inhibits JARID1 proteins with an IC₅₀ values of 4.3 μM for JARID1B and 4.1 μM for JARID1A. 2, 4-PDCA does not inhibit UTX even at 10 μM.

REFERENCE: Sayegh, J., *et al.* (2013). *J. Biol. Chem.* **288**, 9408-9417.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Caffeic acid (Cat. No. 2303-50, 250)

GSK-J4 hydrochloride (Cat. No. 2259-1, 5)

GSK-J1 sodium (Cat. No. 2260-1, 5)

IOX1 (Cat. No. 2266-5, 25)

β-Lapachone (Cat. No. 2262-5, 25)

Tranylcypromine hemisulfate (Cat. No. 1816-25, 100)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**