

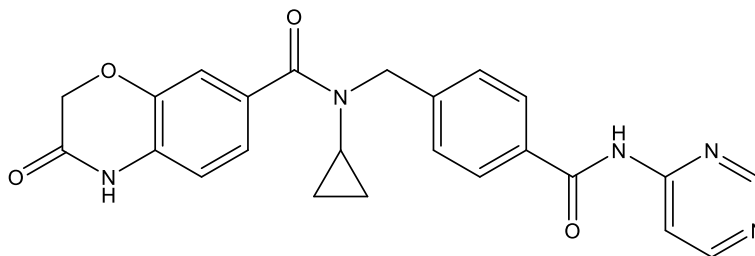
**Catalog # 10-4119**

**UNC6934**

CAS# 2561494-77-5

N-Cyclopropyl-3-oxo-N-(4-pyrimidin-4-ylcarbamoyl)benzyl)-3,4-dihydro-2H-benzo[b][1,4]oxazine-7-carboxamide

Lot # FBA7233



UNC6934 is a potent ( $IC_{50} = 104$  nM) and selective inhibitor of protein lysine methyltransferase nuclear receptor-binding SET domain-containing 2 (NSD2). It potently binds to the PWWP1 domain antagonizing interaction with nucleosomal H3K36me2. UNC6934 is selective against 14 other human PWWP domains and 33 methyltransferases. Active in a nanoBRET PPI assay in U2OS cells ( $IC_{50} = 1.23$   $\mu$ M)

- 1) Dilworth *et al.* (2022), *A chemical probe targeting the PWWP domain alters NSD2 nucleolar localization*; Nat. Chem. Biol., **18** 56

**PHYSICAL DATA**

Molecular Weight:	443.46
Molecular Formula:	C <sub>24</sub> H <sub>21</sub> N <sub>5</sub> O <sub>4</sub>
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/ml)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to two years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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