

W4275

## Chemical Properties

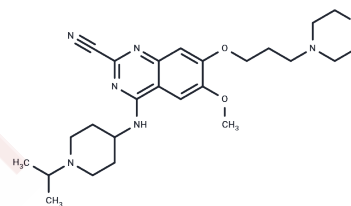
CAS No. : 3051650-00-8

Formula: C<sub>25</sub>H<sub>36</sub>N<sub>6</sub>O<sub>3</sub>

Molecular Weight: 468.59

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	W4275 (Compound 42) is a selective NSD2 inhibitor with oral activity and an IC <sub>50</sub> of 17 nM. It exhibits antiproliferative activity, with an IC <sub>50</sub> of 230 nM against RS411 cells, and significantly inhibits tumor growth in an RS411 tumor xenograft model. Pharmacokinetic analysis in mice shows that W4275 has a favorable oral bioavailability (F is 27.34%). W4275 holds potential for use in cancer research.
Targets(IC <sub>50</sub> )	Histone Methyltransferase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1341 mL	10.6703 mL	21.3406 mL
5 mM	0.4268 mL	2.1341 mL	4.2681 mL
10 mM	0.2134 mL	1.067 mL	2.1341 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481