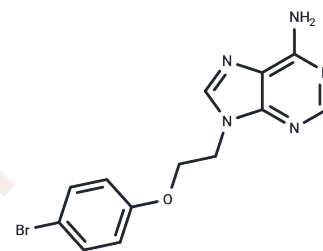


NSD-IN-3

Chemical Properties

CAS No. :	744260-15-9
Formula:	C ₁₃ H ₁₂ BrN ₅ O
Molecular Weight:	334.17
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	NSD-IN-3 (compound 3) serves as a potent inhibitor of the nuclear receptor binding SET domain (NSD). It effectively targets NSD2-SET and NSD3-SET, displaying IC ₅₀ values of 0.81 μM and 0.84 μM, respectively. This compound also impedes the dimethylation of histone H3K36 and suppresses the expression of genes targeted by NSDs in non-small cell lung cancer cells. Furthermore, NSD-IN-3 promotes s-phase cell cycle arrest and induces apoptosis [1].
Targets(IC ₅₀)	Apoptosis, Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9925 mL	14.9624 mL	29.9249 mL
5 mM	0.5985 mL	2.9925 mL	5.985 mL
10 mM	0.2992 mL	1.4962 mL	2.9925 mL
50 mM	0.0598 mL	0.2992 mL	0.5985 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