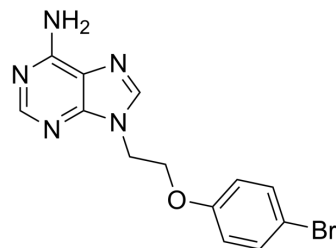


## NSD-IN-3

Cat. No.:	HY-162308
CAS No.:	744260-15-9
Molecular Formula:	C <sub>13</sub> H <sub>12</sub> BrN <sub>5</sub> O
Molecular Weight:	334.17
Target:	Histone Methyltransferase; Apoptosis
Pathway:	Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

NSD-IN-3 (compound 3) is a potent nuclear receptor binding SET domain (NSD) inhibitor. NSD-IN-3 inhibits NSD2-SET and NSD3-SET with IC<sub>50</sub> values of 0.81 μM and 0.84 μM, respectively. NSD-IN-3 inhibits histone H3K36 dimethylation and decreases the expression of NSDs-targeted genes in non-small cell lung cancer cells. NSD-IN-3 induces s-phase cell cycle arrest and apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Lianhua Piao, et al. Discovery of potent small molecule inhibitors of histone lysine methyltransferase NSDs. *Eur J Med Chem.* 2024 Feb 20;268:116264.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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