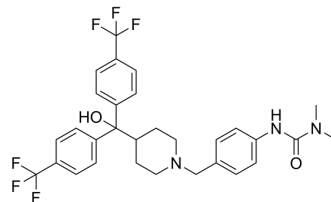


## DCG066

Cat. No.:	HY-116971
CAS No.:	494786-13-9
Molecular Formula:	C <sub>30</sub> H <sub>31</sub> F <sub>6</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	579.58
Target:	Histone Methyltransferase; Apoptosis
Pathway:	Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	DCG066 is an inhibitor of lysine methyltransferase G9a. DCG066 can bind directly to G9a and inhibit methyltransferase activity in vitro. DCG066 decreases di-methylation levels of histone H3 lysine 9 (H3K9Me2), inhibits cell proliferation and induces cell apoptosis. DCG066 displays low cytotoxicity in leukemia cell lines with high levels of G9a expression, including K562 <sup>[1]</sup> .
IC <sub>50</sub> & Target	G9a

## REFERENCES

[1]. Kondengaden SM, et al. Discovery of novel small molecule inhibitors of lysine methyltransferase G9a and their mechanism in leukemia cell lines. *Eur J Med Chem.* 2016 Oct 21;122:382-393.

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

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