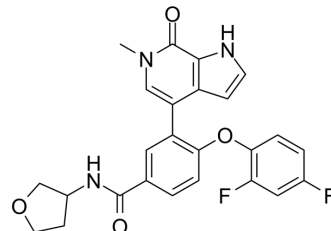


## BRD4-IN-5

Cat. No.:	HY-160662
CAS No.:	1445993-41-8
Molecular Formula:	C <sub>25</sub> H <sub>21</sub> F <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	465.45
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BRD4-IN-5 (example 51) is a BRD4 inhibitor. The K <sub>i</sub> values of the two BRD4 domains BDI_K57-E168 and BDII_E352-M457 are 9.7 nM and 16.1 nM, respectively. BRD4-IN-5 can be used in cancer research <sup>[1]</sup> .	
IC <sub>50</sub> & Target	BDI_K57-E168 9.7 nM (K <sub>i</sub> )	BDII_E352-M457 16.1 nM (K <sub>i</sub> )
In Vitro	BRD4-IN-5 (example 51) has half-lives of 6 minutes in human liver microsomes, 63 minutes in mouse liver microsomes, and more than 120 minutes in rat liver microsomes, respectively <sup>[1]</sup> . BRD4-IN-5 (3 days) inhibits cell proliferation against the breast cancer cell line MX-1, with an EC <sub>50</sub> of 0.101 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Le Wang, et al. Bromodomain inhibitors. International Publication Date. 2013.04.07.

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

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