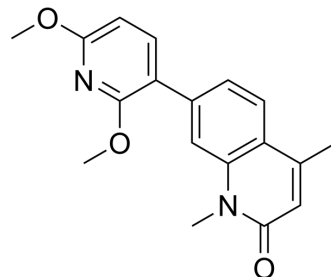


## BRD7-IN-2

Cat. No.:	HY-149420
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	310.35
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BRD7-IN-2 (compound 2-77) is a potent inhibitor of bromodomain-containing protein 7 (BRD7), targeting to prostate cancer cells. BRD7-IN-2 is selective for BRD7 rather than BRD9, with IC <sub>50</sub> s of 5.4 μM, and >300 μM, respectively.
IC <sub>50</sub> & Target	IC <sub>50</sub> : 5.4 μM (BRD7); Ki: 1.3 μM (BRD7)
In Vitro	BRD7-IN-2 (compound 2-77) inhibits BRD7 and BRD9 in HEK293T cells, with IC <sub>50</sub> s of 1.1 μM and 3.2 μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ordóñez-Rubiano SC, Maschinot CA, Wang S, Sood S, Baracaldo-Lancheros LF, Strohmier BP, McQuade AJ, Smith BC, Dykhuizen EC. Rational Design and Development of Selective BRD7 Bromodomain Inhibitors and Their Activity in Prostate Cancer. *J Med Chem.* 2023 Aug 24;66(16):11250-11270.

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

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