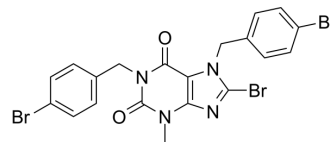


## BRD4-BD1-IN-2

Cat. No.:	HY-143300
CAS No.:	2761321-26-8
Molecular Formula:	C <sub>20</sub> H <sub>15</sub> Br <sub>3</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	583.07
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BRD4-BD1-IN-2 is a selective BRD4-BD1 inhibitor, with an IC <sub>50</sub> of 2.51 μM (20-times greater than that of BD2). BRD4-BD1-IN-2 can be used in studies of cancer and cardiovascular diseases <sup>[1]</sup> .	
IC <sub>50</sub> & Target	BRD4-BD1 2.51 μM (IC <sub>50</sub> )	BRD4-BD2 ∞50 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Chang Y, et al. Design, synthesis, biological evaluation, and molecular docking of 1, 7-dibenzyl-substituted theophylline derivatives as novel BRD4-BD1-selective inhibitors. *Medicinal Chemistry Research*, 2021, 30(8): 1453-1468.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA