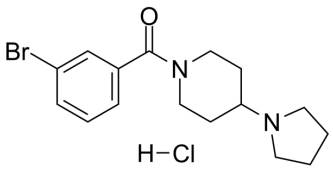
# UNC926 hydrochloride

| | |
|---|---|
| **Cat. No.:** | HY-16510A |
| **CAS No.:** | 1782573-49-2 |
| **Molecular Formula:** | $C_{16}H_{22}BrClN_2O$ |
| **Molecular Weight:** | 373.72 |
| **Target:** | Epigenetic Reader Domain |
| **Pathway:** | Epigenetics |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |




## BIOLOGICAL ACTIVITY

| | |
|---|---|
| **Description** | UNC926 hydrochloride is a methyl-lysine (Kme) reader domain inhibitor that inhibits L3MBTL1 with an $IC_{50}$ of 3.9 μM[1]. |
| **$IC_{50}$ & Target** | IC50: 3.9 μM (L3MBTL1), 3.2 μM (L3MBTL3), 15.6 μM (L3MBTL4)[1] |
| **In Vitro** | UNC926 also exhibits a low micromolar affinity for the close homolog, L3MBTL3 ( $IC_{50}$ of 3.2 μM), with a decrease in affinity for the other MBT domains and no binding to CBX7[1].<br>UNC926 (1-25 μM) inhibits binding of the 3xMBT domain to H4K20me1.UNC926 inhibits the association of L3MBTL13xMBT with the appropriate histonepeptides in a dose-dependent manner. UNC926 does not have an effect on the binding of 53BP1 to H4K20me1, demonstrating specificity of UNC926 for L3MBTL1 over 53BP1[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. Herold JM, et al. Structure-activity relationships of methyl-lysine reader antagonists. MedChemComm. 2012;3(45):45-51.

**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