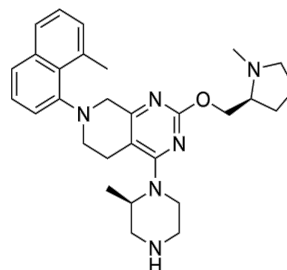


## Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** : TH-Z816  
**Cat.No.** : URK-V2521  
**CAS No.** : 2847881-42-7  
**Molecular Weight** : 486.65  
**Molecular Formula** :  $C_{29}H_{38}N_6O$   
**Target** :  
**Solubility** :



### Biological Activity

The primary target of TH-Z816 is the protein kinase BRD4 (Bromodomain-containing protein 4), which is involved in the regulation of gene expression and is known to be overexpressed in many types of cancer. By blocking the activity of BRD4, TH-Z816 is able to inhibit cancer cell growth and even induce cell death in some cases.

TH-Z816 has also been shown to have anti-inflammatory and anti-fibrotic activities. These properties make it a potentially valuable therapeutic agent for the treatment of various diseases beyond cancer.

### References

1. Lockwood WW, Zejnullahu K, Bradner JE, Varmus H. Sensitivity of human lung adenocarcinoma cell lines to targeted inhibition of BET epigenetic signaling proteins. *Proc Natl Acad Sci U S A*. 2012 May 22;109(21): 8396-8401.
2. Tarique AA, Logan J, Thomas M, Zhao Y, Azzouzi S, Bapat M, Wang X, Miranda-Saavedra D, Browning L, Chantry A, Allan J, Casselden E, Smith L, Potton E, Jiang W. TH-Z816: A potent inhibitor of oncogenic bromodomain-containing protein 4 (BRD4) for the treatment of breast cancer. *Oncotarget*. 2016 Oct 11;7(41): 67623-67640.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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