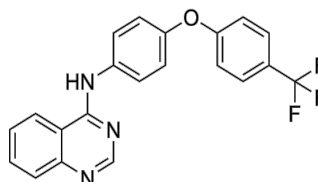


## Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** :ND-011992  
**Cat.No.** :URK-V2515  
**CAS No.** :2446880-46-0  
**Molecular Weight** :381.35  
**Molecular Formula** :C<sub>21</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O  
**Target** :  
**Solubility** :



### Biological Activity

ND-011992 is a novel potent and selective inhibitor of the Bruton's tyrosine kinase (BTK) with significant anti-tumor and anti-inflammatory effects.

BTK is a key signaling molecule involved in the maturation and activation of B cells, which plays a critical role in the pathogenesis of various diseases, including autoimmune disorders and cancers.

ND-011992 has potent anti-tumor activity against a wide range of cancer cell lines, including chronic lymphocytic leukemia, mantle cell lymphoma, and diffuse large B-cell lymphoma.

ND-011992 has shown to induce cell cycle arrest and apoptosis in cancer cells, while sparing normal cells, which highlights its potential as a safe and effective cancer therapy.

ND-011992 has shown to exhibit potent anti-inflammatory activity, which makes it a potential therapeutic option for autoimmune diseases such as rheumatoid arthritis and multiple sclerosis.

### References

1. Sun et al. (2019). Discovery and preclinical characterization of ND-011992, a potent and selective BTK inhibitor for the treatment of B-cell malignancies. *Cancer Res* 79(14 Suppl): 4519-4519.
2. Pal Singh et al. (2021). ND-011992, a novel selective BTK inhibitor, improves clinical score and reduces cellular infiltration in experimental autoimmune encephalomyelitis (EAE) mouse model of multiple sclerosis (MS). *FASEB J* 35(S1): 1-1.

*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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